

THE APRIL 1938

RADIO IN INDEX

25^c

The All-wave Radio Log

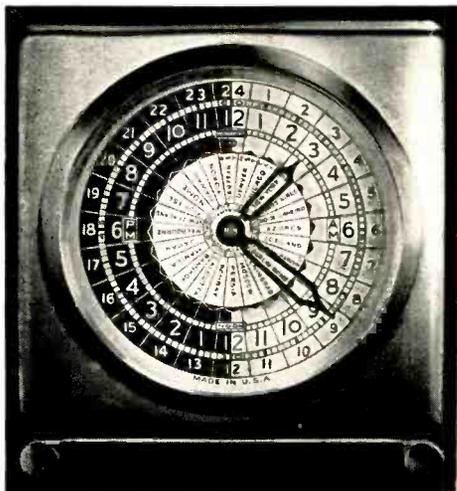


North American Police Stations
New Frequency Checks
Facsimile in the Home
Shall I Use a Ground?

No. 118

***NOW
IT'S
ELECTRIC!***

**THE CLOCK THAT
CAN BE SET AT
ANY OF THE
WORLD'S 24
TIME ZONES**



Modernistic Design of Brushed Brass

Tells time like an ordinary clock and automatically shows authentic time in every other zone around the world.

*Actual size is 5¼ inches
high by 4¾ inches wide.*

Has A. M. and P. M. divided dial and 24-hour dial. Indicates minutes and quarter hours.

Just plug it in and set it for the correct time. No further adjustment nor calculation is required.

For AC 110-120 volts, 60 cycles

What DXers Have Always Wished For!

THE ELECTRIC WORLD-TIME CLOCK

\$5.95

Also available in same style case in spring-driven model at \$4.95. We pay the postage.

THE RADEX PRESS

14717 Detroit Ave.,

Cleveland, Ohio

APRIL 1, 1938



RADIO IN DEX



Reg. U. S. Patent Office

ELIZABETH S. BUTLER

Publisher

PAGE TAYLOR

Editor

ASSOCIATE EDITORS

B. FRANCIS DASHIELL, *Technical*

CARLETON LORD, *Broadcast*

FOURTEENTH YEAR

NUMBER 118

CONTENTS

Cover Girl—Nan Grey, NBC Dramatic Star

| | PAGE |
|--|------|
| Globetrotting <i>Via</i> Shortwave | 2 |
| Leaves From a DXer's Scrapbook, <i>by Count De Veries</i> | 10 |
| Shall I use a Ground? <i>by B. Francis Dashiell</i> | 15 |
| In the World of DX, <i>by Carleton Lord</i> | 18 |
| The Stamp Corner, <i>by David Brockton Browne</i> | 24 |
| Station News | 26 |
| SWL Trading Post | 26 |
| Questions Asked by our Readers, <i>by the Technical Editor</i> | 27 |
| Facsimile in the Home | 33 |
| Scanning the Amateur Bands, <i>by B. L. Ahman, Jr.</i> | 34 |
| New Frequency Check Schedule | 37 |
| New Television Tubes | 39 |
| Special DX Calendar | 40 |
| Amateur Calls Heard | 42 |
| Across the Editor's Desk | 43 |

\$1.75 Per Year

25c Per Copy

See Subscription Blank on Page 96

Published Monthly Excepting July and August

THE RADEX PRESS

14717 Detroit Avenue - - - Cleveland, Ohio

Entered as second-class matter April 23, 1931, at the postoffice at Cleveland, Ohio, under the act of March 3, 1879.

Printed in U. S. A.

Globetrotting Via Shortwave

WE ARE sure that those of our readers who are familiar with the shortwave lists which were printed in RADEX in 1935 and 1936 will be pleased to see that we have resumed our old method of listing the high frequency stations. All the good features of our former index have been retained, and many improvements added, so now we believe we can truthfully say that the RADEX shortwave index is the most complete list published today.

There have been so many new stations added to the shortwave spectrum that we find it is no longer possible to list all the stations in one issue. While we do not like to divide the list, we recognize that a division is unavoidable if we are to provide all the information available about every station on the air.

Comments from our readers are invited concerning the new listing.

Brazil

We are informed by R. B. Oxrieder of State College, Pa. that station PSH, Radio Internacional do Brazil, P. O. Box 709, Rio de Janeiro, transmits daily from 6 to 9 pm., EST., on 10220 kcs. Their programs open and close with the Brazilian National Hymn. International Reply Coupons or unused postage stamps from any country are acceptable for verifications. This station has also been reported by RX25 N. Y.

A powerful Brazilian station heard on 6010 is believed by the reporter to be PRAS at Recife (Pernambuco). This station comes on the air at about 4:30 pm., EST., and a clock strikes 7 o'clock at 5 pm., EST. (RX83 Can.).

PRAS, known as "A Vox do Norte," transmits on 6010 kcs. with 5000 watts. We are officially informed that PRAS broadcasts a



Radio announcers shorten the name of Marion Francis Charlesworth to Marion Francis when introducing her. She is the soloist heard with Frankie Masters' orchestra and Edgar A. Guest, the philosopher-poet, on "It Can Be Done."

time signal at noon and 7 pm., Brazilian time, which seems to confirm the reception by our Canadian reporter.

British Guiana

A letter from the operators of VP3MR states that verifications are sent only when reporters submit the necessary International Reply Coupons. The address of this station is 16 Robb and Hincks Sts., Georgetown. Their schedule is given as, weekdays, 4:15 to 8:15 pm., and Sundays, 7:45 to 10:45 am., EST. (RX83 Can.).

British Honduras

The new station ZIK2 at Belize, on 10600 kcs., is heard with good volume but through heavy interference, on its regular broadcasting

schedule, Tuesdays, Thursdays and Saturdays from 7:30 to 7:45 pm., EST. This station is owned by the British Honduras Government. (RX70 Colo.).

Chile

Station "Otto Becker," CB1170, Santiago, Chile, transmits daily on 11700 kcs., relaying the programs of CB89. This one kilowatt station transmits on Sundays from 9 am. to 11 pm., and on weekdays from 10 am. to 2 pm., and from 4 pm. to 11 pm., EST. CB1170 is owned by Otto Becker, Ltda., Calle Ahumada 113.

Colombia

Many of the Colombian stations are changing their call letters. The latest changes recorded indicate that HJ2ABC, 4790 kcs., has been changed to HJ7ABC. HJ6ABB are the new call letters of former HJ4ABB on 6108 kcs. HJ4ABC is now known as HJ6ABC. (RX93 N. Y.).

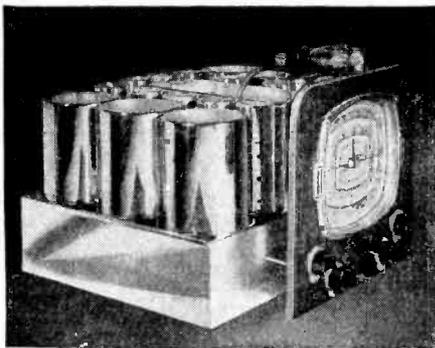
A new station, HJ4ABU at Medellin, is being heard on several frequencies, between 8600 and 8650 kcs. The time is reported as from 7:30 to 10 p.m., EST. This station is operated by the University of Colombia. (RX51 Mass., RX85 Ohio).

HJ7ABD, "Radio Bucaramanga," Bucaramanga, Colombia, transmits on 9630 and 1130 kcs. from 6 to 11 pm. on weekdays, and from 7:30 to 9:30 pm. on Sundays. Their programs conclude with a medley of national airs, named "La Guabina." (RX83 Can.).

Official information from Colombia discloses that HJ3ABD, "Emisora Nueva Granada," at Bogota, broadcasts, with one kilowatt of power, on 4841 kcs. Broadcasts close with the selection "Para ti Rio Rita," and this is followed by the Colombian National Anthem.

HJ3ABX, also at Bogota, transmits on either of two frequencies, 6015 or 6122 kcs., from 6 to 11 pm.

**THE RESULT OF
14 Years
PERFECTING AND BUILDING
THE WORLD'S FINEST RADIOS**



**The New
SCOTT "SIXTEEN"**

Fourteen years of constant research, developing, perfecting and building all that is newest and finest in radio receivers, stands behind the new SCOTT "Sixteen". Like its predecessors, each one is custom built by hand, with the precision of a fine watch, from the finest, tested materials. These Laboratory-built instruments are guaranteed to outperform, in every respect, any other make of receiver, yet, they cost no more than many factory mass produced radios. A new series of specially designed Scott consoles, including radio-phonograph and armchair models, are now available.

YEARS AHEAD IN DESIGN

Features currently new in many production type receivers were offered in Scott Radios, years ago! So far advanced in design and so perfect are the materials and hand craftsmanship in a Scott that it is guaranteed for 5 years. Incorporated in the design of the new Scott "Sixteen" are many leading developments of the world's foremost radio engineers, plus new exclusive Scott features (Scott patents applied for). Description of technical details showing the spectacular performance and all-round superiority of the SCOTT sent on request.

ACT NOW! GET SPECIAL LIMITED OFFER

It will pay you to order your Scott now. The coupon mailed today, will bring you details promptly. 30-day home trial, and budget payments in U. S. A. NOT SOLD THROUGH STORES.

E. H. SCOTT RADIO LABS.
4424 Ravenswood Ave.,
Dept. 15FB, Chicago, Ill.

Send all the facts, order blank, and special offer. No obligation.

Name

Address

City & State

STUDIOS: NEW YORK, CHICAGO, LOS ANGELES, LONDON



on Sundays and from 5:30 to 11 pm. on weekdays. "Indian Love Call" from Rose Marie terminates the day's broadcasts, and notes from the Colombian National Anthem are played at various times throughout the broadcast. "La Voz de Colombia," as this station is known, is owned by Cipriano Rios Hoyos.

HJ5ABD, 6085 kcs., "La Voz del Valle," signs off with The "Good-night Waltz." This station transmits on Mondays, Wednesday and Fridays from 7 to 10:30 pm., EST.

"La Voz de Armenia," HJ6ABH, Armenia, transmitting on 9520 kcs., relays the programs of HJ6ABN on 1363 kcs. Programs are radiated from 8 to 11 am. and from 6 to 10 pm. EST., daily.

Costa Rica

TI4NRH, "The Voice of Costa Rica," at Heredia, Costa Rica, transmits on 9670 kcs. on Tuesdays, Thursdays, and Saturdays from 9 to 10 pm., EST., and on Sundays from 7 to 8 am. This 500 watt station is owned by Amando Cespedes Marin, who celebrates his tenth anniversary of shortwave broadcasting on May 4 of this year. Sr. Cespedes recently announced that he has received 92,000 reports during the past ten years, and he wants 8000 more so he can have an even 100,000. (RX51 Mass., RX61 Ariz., RX89 Ohio).

Cuba

The following Cuban stations have all been heard off their assigned frequencies. COBC, heard on 9970, 10040 and 9450 kcs. COBX is heard on 9210 and 9195 kcs. COCQ, the worst roamer of the bunch, comes in at 9750, 9210, 10010, 10310, 9600, 9910 and 10260 kcs. In other words, this station may be heard anyplace between 9200 and 10300 kcs. COCM has been logged on 9833 and 9350, and COBZ drifts between 9000 and 9030 kcs. (RX70 Colo.).

Curacao

PJC2 in Willemstad, Curacao, Netherland West Indies, transmits on 9430 kcs. on Sundays from 10:30 am. to 12:30 pm., EST., and is also heard irregularly in the evenings. (RX93 N. Y.).

Dominican Republic

Station HIZ in Trujillo on 6310 kcs. operates on weekdays from 11:10 am. to 2:10 pm., and from 4:40 to 9:40 pm. The Sunday schedule is from 11:40 am. to 2:40 pm., EST. (RX93 N. Y.).

In San Francisco de Macoris, HI4V on 6450 kcs. transmits daily from 2:40 to 4:40 pm., and from 7:10 to 9:10 pm., EST. (RX93 N. Y.).

Radio "La Opinion," Trujillo City, station HIG, broadcasts on 6280 and 9300 kcs. simultaneously from 7 to 9 am., noon to 2:30 pm. and 4 to 9 pm., EST. Power of 150 watts is radiated on 6280, while 250 watts are radiated on 9300 kcs. The owner is Andres Cordero Puello, and studios are maintained at Santiago Rodriguez No. 12.

HIN, "Broadcasting Nacional," Trujillo, employs the shortwave frequency of 6243 kcs. and the broadcast band frequency of 1090 kcs., we have been informed. This station is owned by the Dominican Government and managed by Frank Hutton. Programs are radiated on weekdays only between the hours of noon and 2:15 pm., and 5:45 pm. to 10 pm., EST.

Further official information on some of the Dominican stations is tabulated below:

HI3U, 6015 kcs., 125 watts, Santiago de los Caballeros, announces as "La Voz del Comercio." They sign off with the organ selection "Maria la O." The schedule is daily from 7:15 to 8:45 am., 11:45 am. to 1:45 pm., and 4:45 to 6:45 pm.

HI5N, 6150 kcs., 100 watts, Moca City, announces as "La Voz de Moca." An interval signal of five

strokes on a gong is employed and they sign off with the national anthem. The schedule, daily from 6:15 am. to 7:45 am., 11:45 am. to 1:45 pm., 5:45 pm. to 7:45 pm.

HI7P, 6800 kcs., 25 watts, Trujillo, announces as "Emisora Diario del Comercio." Programs end with a marimba selection, "Lempira." Studios are located at Calle Jose Reyes 35, and programs are broadcast on Sundays from 10 to 11 am., and on weekdays from 1 to 2 pm. and from 7 to 9 pm.

HI8Q, 6206 kcs., 200 watts, Trujillo, announces as "La Voz de la Philco." The national anthem closes the programs and a gong is used as an interval signal. The studio address is Av. Wenceslao Alvarez No. 3, Reparto Independencia. The schedule is 6 to 10 pm. on Sundays, and 8:30 am. to noon and 2:30 to 5 pm. on weekdays.

HI9B, 5885 kcs. 200 watts, Santiago de los Caballeros, identifies itself by the slogan "Broadcasting Hotel Mercedes." Their schedule is 11:45 am. to 2:15 pm., and 4:45 to 7:45 pm.

Ecuador

A seldom-heard Quito station, HC1ETC, has been reported on 9350 kcs. It has been heard several times near 8 pm. EST. (RX93 N. Y.).

HC2RL, "Quinta Piedad," at Guayaquil, employs 200 watts on the frequency of 6668 kcs. The national anthem terminates the broadcasts and the salutation "Hello America" is used frequently during the broadcasts. Dr. Roberto Levi is the manager of the station, and the address is Casilla 759. Programs are radiated on Sundays from 5:30 to 7:30 pm., and on Tuesdays from 9 to 11 pm., EST.

France

The new high powered French stations at Essarts have been heard testing in the afternoons, relaying the same programs as TPA3. Us-

ing the slogan "Radio Coloniale," it has been heard on 9550 and 15130 kcs. News is broadcast in English at 3:10 pm. on 15130. (RX87 Pa., RX93 N. Y.).

French Somaliland

"One of my latest veries is from FZE8, Djibouti, French Somaliland, verifying my report of reception. This station is on 17280 kcs., and broadcasts only on the first Thursday of every month from 8 to 8:30 am., EST." (RX41 La.).

Great Britain

Contracts have been let for the construction of two more stations for Daventry. The new transmitters will be used in connection with the foreign language broadcasts. It is believed they will be of 100 kilowatts power.

Guatemala

The Guatemala City station TGWA seems to be as good in the afternoons as it is in the evenings. Their marimba programs from 3 to 3:30 pm., EST., are exceptionally well received on 15170 kcs. (RX93 N. Y.).

Honduras

"La Voz de Honduras" at Tegucigalpa, station HRN, broadcasts on 5875 and 1250 kcs., employing 500 watts on shortwaves and 50 watts on the BCB. Their programs conclude with Ted Lewis' recording of the "Goodnight Waltz." HRN transmits daily from 7 to 10:30 pm. EST.

Iceland

The Sunday afternoon transmissions from Reykjavik continue to be heard. TFJ on 12235 kcs. transmits from 1:40 to 2:30 pm., and is heard along the Atlantic coast. (RX93 N. Y.).

India

The most important shortwave news this month comes from India. VUD2 at Delhi is the first of the new Indian shortwave stations to come on the air, and it has been reported throughout eastern United

States. All the reporters give the frequency as 9590 kcs., and they all agree that the station is audible only from 9:30 until about 10 pm., EST. Their broadcasting day starts at 9:30 pm., with chimes, and then a clock strikes 8 o'clock (8 am. in Delhi, the next morning). The programs consist of native and oriental music, some of the selections lasting from fifteen to twenty minutes. Announcements are in one of the Hindu languages, and in English.

VUD fades out in most localities right after 10 o'clock, but one listener reports holding it until 10:30 pm. PCJ prevents reception on Wednesday nights, and GSC sometimes interferes. Delhi is heard between GSC and HP5J. (RX23 Minn., RX35 N. J., RX45 R. I., RX51 Mass., RX93 N. Y., RX94 Mich.).

Italy

2RO in Rome is now relayed by two stations, IRF on 9830 kcs., and experimental station IQY on 11870 kcs. Reports of reception of these test broadcasts are requested. All three stations are heard with very good volume between 11 am. and 6 pm., and sometimes even until 9 pm., EST. A program for South America is broadcast from 6 to 7:30 pm., and the North American broadcast follows, ending at 9 pm. News is given in English at the beginning of the American Hour. (RX35 N. J., RX49 Mass., RX51 Mass., RX72 Ill., RX76 Nebr., RX87 Pa., RX92 D. C., RX93 N. Y.).

Jamaica

The two police stations in Jamaica, VPH at Kingston and VPC at Midland, are frequently heard on 1600 kcs. VPC signs off at about 6:15 pm. and VPH at about 6:18 pm., EST. (RX92 D. C.).

Japan

JZJ on 11800 kcs. has been heard on its overseas broadcast between 7 and 7:30 am. with very good volume. In Detroit it was reported

with volume equal to that of WWJ. An English announcement is made at 7:30, and the national anthem, "Kimagayo," closes the broadcasts. All the Japanese stations acknowledge reports of reception. The transmitters are situated at Nazaki, but the mailing address is in care of the studios, The Broadcasting Corporation of Japan, Atago-yama, Tokyo.

JVN, also at Nazaki, has been heard frequently between 4 and 7:45 am., on its frequency of 10660.

Reports on Japanese stations were received from RX25 N. Y., RX51 Mass., RX91 Ohio, RX94 Mich.

Kwang Tung

That elusive station in Dairen, JDY on 9925, can sometimes be heard between 5:30 and 8 am. (RX51 Mass.).

Mexico

Authentic information concerning several Mexican stations is to hand. A few new stations, so far unreported, are included in the data which follows:

XEBQ on 6030 kcs., 100 watts, is located in Mazatlan, Sin., and goes by the slogan "La Voz del Pacifico." This broadcaster employs four chimes as an interval signal, and signs off with the Luxemburg March. The schedule for transmissions is 8 to 9:30 am., 2 to 4 pm., and 9 pm. to midnight daily.

XECU in Guadalajara, Jal., "Estacion del Viajero del Mundo," employing 250 watts, works on 6075 kcs. from 9 am. to 11 pm. daily. The programs open with "Humoresque"; the interval signal is a two-tone train whistle, and they sign off with the selection "Adios, Mariquita Linda."

XEDQ, "Speaking to the Continents from Guadalajara," in Guadalajara, Jal., relays the programs of XED on 9520 kcs. with a half kilowatt of power. An interval signal of four chimes is used, and their



Mary Eastman, lyric soprano, and Bill Perry, tenor, star in the "Saturday Night Serenade," heard each Saturday night over a nationwide Columbia network at 9:30 pm. Miss Eastman starred in stage and operatic productions before turning to a microphone career, and Perry's rise is unique because he switched from being a radio station manager to singer but a few years ago.

hours of operation are from noon to 4:30 pm., and from 8 pm. to midnight, daily.

Tiny station XEFT, 20 watts, in Veracruz, transmits on 9550 kcs. Known as "La Voz de Veracruz," they broadcast daily from 10:30 am. to 4:30 pm., and from 7:30 pm. to 12:30 am.

XEGW, in Mexico City, broadcasts, or, will broadcast, if not yet on the air, on 6110 kcs. with 250 watts. The owner is Jose G. Garza Fox, San Juan de Letran 81, Mexico City.

Netherland East Indies

The Javanese stations YDB (9550), PLP (11000) and YDC (15150) broadcast jointly from 6 to 8:30 am. daily, and on Saturdays and Sundays from 6 to 11 am., EST. (RX93 N. Y., RX51 Mass.).

Nicaragua

Nicaraguan stations are not always easy to receive, but two are suggested as possible catches, YNGU and YNLG, both in Managua.

YNGU, "Alma Nica," transmits on 9300 kcs. with 50 watts of power, on two schedules. The first transmission is from noon to 2 pm., and the second from 5 to 6 pm., EST., daily except Sundays. The interval signal is one stroke on a gong.

YNLG, 6610 kcs., radiates a kilowatt of power, on their thrice-daily schedule. Their programs open with a bugle call sounded three times. The morning and afternoon sessions close with "Till We Meet Again," and the night broadcast terminates with "Good Night, Ladies." Their schedule is daily, 8 to 10 am., 1 to 3 pm. and 6 pm. to midnight.

Peru

Three stations are operated by Radio Nacional de Peru. The stations, according to a recent verification card, are OAX4A on 854, OAX4T on 9562 and OAX4Z on 6082 kcs. OAX4T is scheduled to transmit daily from 11:30 am. to 1:30 pm., but a Canadian listener reports them once at 7 am., EST. OAX4Z broadcasts from 7 to 11:30 pm. The address of these stations is Av. Petit Thouars 447, Lima. (RX83 Can., RX87 Pa.).

OAX4J, Lima, relays the programs of OAX4I daily from noon to 3 pm. and from 5 to 11 pm., EST. OAX4J transmits with 500 watts power on 9330 kcs. The opening selection is "Broadway Rhythm," the interval signal is three chimes, and the closing selection is "Whistler and His Dog." (RX72 Ill.).

Poland

SPD on 11535 and SPW on 13635 kcs., both in Warsaw, are now heard daily from 6 to 8 pm., and on Saturdays until 9 p.m. Code interference is present on both frequencies. All

reports are answered by a handsome card for each station. (RX49 Mass.).

St. Kitts

Station VP2LO is operated by the ICA Radio Service Laboratories for the Caribbean Broadcasting Service, Basseterre, St. Kitts, British West Indies. Our informant, R. B. Oxrieder of State College, Pa., says that the programs open with the selection "Rule Britannia" and close with "God Save The King." VP2LO works with 500 watts on 6380 kcs. daily from 4 to 4:45 pm., EST., and on Sundays from 10 to 10:45 am. Mr. Oxrieder believes that this schedule, mentioned in the station's letter, is not regularly maintained, as he has heard them irregularly in the evenings after 8 pm. Reports addressed to P. O. Box 88 will be acknowledged; International Reply Coupons are requested.

Spain

The schedule of EAR in Madrid, according to a letter received by R. B. Oxrieder of 122 E. Hamilton Ave., State College, Pa., starts at 7:30 pm. daily, and another broadcast commences at 9:30 pm. on Monday, Tuesday, Thursday and Saturday. The Saturday program is broadcast in German.

EAR broadcasts on 9480 kcs. with 20 kilowatts of power. All reports should be addressed to Foreign Broadcasts, Medinaceli 6, Madrid. (RX49 Mass., RX87 Pa.).

Taiwan

JFAK at Taihoku advises that since October 1st, 1937, Taiwan has been observing the same time as Japan. It was formerly one hour behind Japanese time. JFAK's programs are relayed until approximately 8:15 am., EST., by JIB on 10535 kcs., and also by JFO at Itabushi on 9636 kcs. (RX7 New Zealand).

Station JFO has been heard on 9630 kcs. by RX61 Ariz.

Union of South Africa

The South African stations continue to come in well on their 11:45 to 12:45 (midnight) broadcasts. ZRH at Roberts Heights (Pretoria) on 9523 kcs., and ZRK at Klipheuevel (Cape Town) are the best of the four stations. Johannesburg, 200 watts, and Durban, 10 watts, have not been reported. (RX25 N. Y., RX61 Ariz., RX76 Nebr., RX86 Mass.).

United States

The World Wide Broadcasting Corporation and the General Electric Company have been granted permission to transmit on the newly allocated "Pan-American Frequencies." The World Wide Corporation, operator of W1XAL, was granted 11730 and 15130 kcs., and General Electric, operator of W2XAF, was given 9950 and 21500 kcs. W1XAL employs 20 kilowatts and the GE station, 100 kilowatts.

These licenses were granted under several conditions, as follows: the programs transmitted by W1XAL and W2XAF must be directed to Pan American countries; there shall be no commercial or advertising announcements, nor no mention of names of sponsors; at least three hours shall be the minimum time employed by each station daily; and they must be willing to share time with any other stations which might be assigned.

W1XAL on 11730 has already been reported by several readers. All transmissions from W1XAL are preceded by a signal consisting of six musical notes, repeated every ten seconds, for ten minutes before the actual broadcast commences. Reports on these experimental transmissions are requested, and they will be answered. The address is the University Club, Boston, Mass. (RX51 Mass., RX93 N. Y., RX96 Ill.).

The Technical Supervisor of

W3XAU, Mr. J. G. Leitch, furnishes us with the revised schedule of this station. W3XAU transmits daily from 8 to 11 pm. on 6060 kcs., and daily from 12 noon to 8 pm., and from 11 pm. to midnight, on 9590 kcs.

An FCC Examiner has recommended that a construction permit be granted to the Church of Jesus Christ of Latter-Day Saints, at Salt Lake City, to erect a 50 kilowatt station to transmit on 6020, 9510, 11710, 15170 and 25675 kcs.

Two Press Wireless stations have resumed voice tests. The Hicksville, N. Y. station, W2XGB transmits on 8655 and 17310 kcs., and W9XBH at Elgin, Ill., is heard on 12720 kcs. (RX37 D. C., RX73 Ohio).

"In response to a report sent to W1XK, I received a letter stating that the Westinghouse shortwave stations have discontinued the practice of verifying reports." (RX92 D. C.).

W9XF and W3XAL are working on a slightly revised schedule. W9XF on 6100 signs off at 5:45 pm., and W3XAL in Bound Brook, N. J., comes on the air ten minutes later. W9XF returns to the air at 1:05 am. for an hour's broadcasting. (RX93 N. Y.).

A new telephone station on 2500 kcs. has been logged. It is KNKA, at the North Rim on the Grand Canyon, Arizona. It was heard with an R9 signal near 10:25 one evening. (RX34 Kans.).

Uruguay

Official information on the two Uruguayan shortwave stations has been received from our representative there. CXA8, in the city of Colonia, is owned by Radio Belgrano of Buenos Aires, Argentina. CXA8 broadcasts on 9510 kcs. with 2500 watts of power; their slogan is "Real de San Carlos." Programs are transmitted from 6 am. until 10 pm., EST.

The other shortwaver is CXA2, 6000 kcs., Montevideo. They broadcast, with 5 kilowatts, from 10 am. to 10 pm., EST. Their address is Cia. de Radiopublicidad Continental, Calle J. C. Gomez 1431.

Apex

A schedule of daily broadcasts was inaugurated late in February from the new Philadelphia apex station W3XIR. Located on the top of a building at 1616 Chestnut St., it is expected to serve an area of between 20 and 25 miles. W3XIR operates with 100 watts on one of four frequencies, 31.6, 35.6, 38.6 or 41 megacycles. (RX84 Pa.).

WWJ of Detroit announces they will furnish information on an adapter which will make ultra-high frequency reception possible on any radio set.

The Reporters

- RX23, Carl and Ann Eder, Willmar, Minn.
- RX25, Geo. Nahas, 147 Seeley St., Brooklyn, N. Y.
- RX34, Martin Olthoff, Independence, Kans.
- RX35, Albert Steinmetz, Bayonne, N. J.
- RX37, David Hill, Washington, D. C.
- RX41, A. V. Deterly, Baton, Rouge, La.
- RX45, Frederick A. Wallace, Jr., Albion, R. I.
- RX49, Kenneth Morey, Easthampton, Mass.
- RX51, Gilbert L. Harris, North Adams, Mass.
- RX61, Francis McDonald, Tucson, Ariz.
- RX70, W. F. Cornwell, Englewood, Colo.
- RX72, Gail T. Beyer, Chicago, Ill.
- RX73, Helen Lind, Lakewood, Ohio
- RX76, Edward Danielson, Jr., Pawnee City, Nebr.
- RX83, Wm. Snook, Dartmouth, N. S.
- RX84, Francis Coradetti, Narberth, Pa.
- RX85, J. E. Gardner, Cleveland, Ohio
- RX86, Matthew E. Lasher, Lawrence, Mass.
- RX87, Arthur M. Hankins, Latrobe, Pa.
- RX89, Russell E. Geiger, Youngstown, Ohio
- RX91, Ralph Heath, Peninsula, Ohio
- RX92, Melvin L. Jacobson, Washington, D. C.
- RX93, E. Leisering, Jr., Brooklyn, N. Y.
- RX94, Geo. K. Glass, Detroit, Mich.
- RX96, Justus Schlichting, Glencoe, Ill.



NOT every letter which crosses this desk reaches print in the columns of RADEX. Some are from readers who express opinions or give advice, and do not wish to be quoted. Others ask questions which can best be answered by mail. Still more come from old DX friends, many of them long since inactive as dial-twisters, who pass the time of day with a cheery line or three.

Among the question-askers there are many who have just discovered RADEX on the newsstands and hastened to ask, "What is this thing you call DXing? How do you get started? What do you get out of it?" And one can't help but feel that there is a definite connection between the queries of the young DXers and the "remember when" letters from the old-timers.

By a fundamental law of Nature, all of these old-timers were once young DXers, just starting down the road of the Midnight Marauders. Five or ten years ago, they were asking the same questions which puzzle the neophytes of today. And it is logical to assume that the answers to their queries determined the extent of their careers as Sleepless Knights.

Some of them may have been fortunate in receiving good advice, and their interest in the hobby today is a lasting testimonial to the sound-

ness of the counsel given to them. Perhaps a few more were lucky enough to stumble on the right path, and so were off to a good start. And there are hundreds of others who, for one reason or another, failed to get all that DXing has to offer its devotees.

Somehow or other, you can't help feeling sorry for the fellows who have gradually dropped out of the game. A few years back, they were full of enthusiasm. Every available moment was spent at the dials of their receivers. Every addition to their logs was welcomed as a new-found friend, and the daily mail was eagerly scanned for incoming verifications. Proud were they of their achievements, great or small, and they did get a tremendous thrill out of DXing.

There came a time, however, when their reports were less frequent. The former flood of tips and ideas on how to hear trans-oceanic stations were missing. New broadcasters would come on the air and go unreported, unverified. Time spent at their sets would be reckoned as so many days for the entire season, instead of for a month or a week. And eventually you wouldn't hear of them any more.

Many have been the reasons advanced for this gradual loss of DX interest. Some of the younger fel-

lows would get married, settle down, fail to find time for regular tricks at their dials. Others found that business interfered. Poor locations, local noise, sun spots, all-nighters, frequency checks—these and a score of other evils have come in for a share of the blame.

But granting that there are unavoidable factors which do much to limit the DX life of a listener, the notion persists that the mortality rate would be a great deal lower if the individual DXer could regulate his participation in the hobby to meet his own particular requirements.

Determine Main Interest

There are many phases to DXing, each of which will appeal to a certain group of listeners. Some DXers will find one particular phase which is sufficient to hold their entire interest, while others are not satisfied until their activities include several of the angles.

Many listeners get their principal thrill solely from the act of dialing. They enjoy tuning to the far corners of the continent, they like to drop in on remote stations for a few minutes or a few hours. Their pleasure is derived from hearing new voices and strange music from across the frozen miles of a winter night. They may listen to the same station or group of stations many times, and it matters little whether they build up an impressive log of new call letters. Their DX travels are taken when the spirit moves them. Never are they forced to maintain a grueling schedule.

Some DXers are found at the opposite end of the hobby. They are the listeners who are determined to build up the largest possible log of stations, whether they be local, semi-distant or foreign. No effort is spared in the mad search for new catches. Every available moment is spent at the dials. Interference-

ridden channels are carefully combed night after night. Static and local noise provide no barrier to the feverish conquest of the broadcast spectrum.

Other listeners are just as determined to build up impressive logs, but they confine their activities to stations at greater distances. Broadcasters less than 1500 miles distant are "purely local stuff." To them, there is no thrill in hearing the lowly hundred-watter a few hundred miles over the horizon, and so their activities are concentrated on trans-continental and foreign reception. During the early evening hours, they patiently dial the various frequencies, always looking for the stray European and South American signal which may penetrate the barrage of domestic stations. During the mid-winter months, a careful watch is kept between 1 and 3 a.m., EST, for that is the time when many trans-Atlantics are heard. And in the spring and fall, the hour before daybreak frequently rewards the persistent dialer with a new station from New Zealand or Australia.

And then there is the methodical DXer. He is the chap who is careful to plan his activities well in advance. He works out schedules for his dial twisting, establishes definite goals for reception. He picks crowded channels and attempts to log—and perhaps verify—every station listed. Occasionally, he tries to log every station of more than 250 watts power. Usually he endeavors to have at least one station in each state and province, and then follows up this angle by seeing how many states and provinces can be completely verified. He may be particularly anxious to see how many hundred-watters and 2000-watters can be listed. Or he may shoot the whole works and attempt the creditable task of verifying all the stations

Before



Here we see Bill Compton as he looks to his mother and to people who see him on the way to the Columbia Playhouse. Bill, better known as "Tizzie Lish," gets his inspirations for his monologues, not from Joe Miller's joke book, but from any cook book that happens to be handy.

in the United States. He may never reach this goal, but he will think in terms of "so many active stations to go."

Regardless of how he looks at the hobby, the average DXer can usually determine which type of activity is best suited to his own taste. And if he is wise, he will decide to devote his entire attention to that particular phase.

Shall We Verify?

Frequently DXers³ are unable to

decide whether they will verify the stations they hear. No matter which phase of the hobby interests them most, this is a decision which can do much to determine the duration of the listener's activities.

Many Sleepless Knights contend that verifications are a needless source of worry and expense. To them, the chief thrill of DXing is the actual process of tuning. They are delighted when a new call is heard. Scrupulously honest, they take pains to make sure of a station's identity before entering it in their log. Once certain that they have really heard a certain broadcaster, they feel that there is no need for any additional proof of reception. Essentially, they DX for their own pleasure and they obtain no added satisfaction from a card or letter of confirmation.

Verifications can be a very expensive luxury. Over a thousand veries are in my files today and the record shows that they represent an actual postage bill of better than a hundred dollars. The cheapest possible confirmation is one from a station in the United States—and that costs six cents. Foreign verifications run anywhere from eight to fourteen cents apiece, depending upon how the request was made, and that cost covers only the initial request. Scores of veries were obtained only after countless letters and numerous enclosures of cash or reply coupons. Add on the cost of your own stationery, consider the actual time involved in writing the reports and follow-ups, and the collecting of confirmations becomes expensive.

Obviously, if a verification means little or nothing to a DXer, he would indeed be foolish to go to the trouble and expense of obtaining them. If he did, he would soon find his interest on the wane.

For many listeners, veries offer a very tangible return for their in-

vestment of time and money. While it is true that a confirmation constitutes a rather definite proof of reception, it is seldom necessary to pull out a card or letter just to *prove* that a station has been heard. Probably it is more satisfactory to be able to say that OAX4A has been verified, than to report merely that the station had been heard on a certain date. Certainly it is an accomplishment to be able to show a distant broadcaster that you have heard his signals, and it is always nice to receive confirmation of this fact.

Verifications bring some DXers far more than mere proof of reception. They are souvenirs of long nights spent at the dials. They bring back memories of thrilling catches and exciting reception. Instead of mere notations in a log book, they provide concrete evidence that a station not only was heard, but that it was reported correctly. To every confirmation there is a bit of history. And always there is the satisfaction that it was really earned.

When the expense of verifications must be considered, some DXers compromise by verifying only certain types of stations—those over 2000 miles distant, hundred-watters, trans-oceanic stations, and so on.

But whatever the circumstances, it is for the individual listener to decide whether a collection of veries will have any definite value or significance to him. When his decision is made, let him follow his own tastes and concentrate on the type of DXing which most appeals to him. Then he will find that DXing can be a most fascinating pastime.

Don't Overdo It

Any hobby—be it stamp collecting, photography, athletics or DXing—should afford a means of getting away from the monotony of everyday life. While it need not be a complete relaxation, it should never be

tiring. The enthusiast should be able to take part in it when he so desires, and still drop it for a time without losing his interest.

Perhaps the greatest mistake a DXer can make is that of over-indulgence. Roaming the midnight air lanes can be a fascinating journey for the new listener. Tuning out to the far corners of the globe brings real thrills and it is easy to become too absorbed in the task of logging new catches.

Wise indeed is the DXer who is able to curb his enthusiasm and

After



"Hello folkses! This is Tizzie Lish!" Here Tizzie is all set to broadcast her crazy recipes for the "Watch The Fun Go By" audiences. She's an attractive little miss, don't you think—or don't you?"

take his listenening in a natural stride. It is never absolutely necessary to hear every available station during the course of a winter season. Most broadcasters are on the air for many years, and there is always a second or a third chance to hear them.

For a while, a listener may think that building up a log in the shortest possible time is the greatest thing in the world. It is a fine experience to be able to boast that an imposing total of 600 or 700 stations had been heard in two or three years. Annual additions of a hundred or so new catches will inflate most any DXer's ego. But the time must come when the new stations are harder to hear and the season's total gets smaller and smaller, and then the DXer is likely to regret that he didn't take things easier on the way up.

Not so many years ago, RADEX contained many reports from a DXer who was about tops at the time. Starting during the 1930-31 season, his log increased at an astonishing rate. Blessed with a good location, a fine receiver and a world of patience and perseverance, he showed a clean pair of heels to other listeners of the day. He was among the first to enjoy reliable reception of the Europeans, and his list of South Americans, Aussies and Zedders was a tribute to his skill at the dials. Midway in the 1933-34 season, his veries totalled close to 800. As most of the domestic stations had been logged without benefit of the frequency checks, the record was truly amazing. Believing him to be sitting on top of the DX world, a lot of listeners would have swapped places without hesitation.

But early in 1934, he suddenly lost interest, stopped all dial twisting, gave up the hobby completely. In the last four years, he hasn't tuned for a single new station, and the

chances are that never again will he park on a channel waiting for the announcement that may mean another entry in his log.

What caused this sudden about-face? What turned abounding enthusiasm into virtual contempt for his chosen hobby? The chances are excellent that he had tried to crowd a decade of leisurely dialing into a short three years. Instead of nights when good listening brought three or four new catches, he saw weeks go by with very few additions to his log. Hour after hour during the long, cold nights, his straining ears would hear noise and static and lots of stations which he had logged in the past. Those early-morning tricks at his receiver suddenly turned from exciting adventures to brooding hours of inactivity, when troubles were magnified. And next day his heavy eyes found no entries in his log to compensate for the loss of sleep. Had there been more stations to hear, some incentive to crawl out of a warm bed at two o'clock, his interest probably would have continued unabated.

Undoubtedly there are many similar cases on record today, and there is no question but what not a few currently-active listeners may soon loose interest for identical reasons. And what a pity it is that an excess of enthusiasm may destroy interest in a hobby which can pay remarkable dividends.

And so it is that careful attention is paid to questions from those who have just heard of DXing and would like to give it a try. If suggestions will enable them to shun the mistakes of others, their interest will be sustained and they can look forward to many years of profitable participation in this pastime. And the ideas passed along to these neophytes may well be considered by the older hands before it is too late.

SHALL I Use a GROUND?

• • • By B. FRANCIS DASHIELL

IF SEEMS that on every hand we hear and read of the latest ideas about antennas — single-wire, doublets, double-doublets and multi-doublets. We are told how to eliminate noise and static, how to arrange antennas so as to receive from certain directions, all about standing waves, field patterns and skip distances. Of course, all this often is enlightening and necessary for our guidance. But it does seem strange, however, that the lowly ground connection has escaped discussion. After all, the ground's role in radio presents quite a few important aspects.

Not so long ago all aerials operated in connection with the earth. These were called grounded antennas. Many are still in use, for groundless antennas are those of the doublet or "Hertz" types, specifically designed for all-wave reception and the elimination of noise that may be picked up by the lead-in wires. The older or "Marconi" antenna, consisting of single wire and lead in an inverted "L" or "T" arrangement, requires a ground in nearly every case of radio reception.

Aerial and Ground

A ground provides a radio receiver with a point where no potential difference exists. In fact, if a receiver is to work perfectly, all those points which are at the same radio-frequency potential as the earth, as well as the negative side of the power supply, should be connected together at one place or to a heavy low-resistance metal chassis. If these different points vary in resistance they will, then, fail to have the same potential as the earth, and trouble occurs in the form of noise,

oscillation or poor reception. In other words, all these ground connections must have the same radio-frequency potential, and therefore a metal chassis makes the most satisfactory and practicable ground for the receiver. Often the use of a separate ground wire is immaterial, as will be explained. The metal chassis, operating at ground potential, now is standard radio construction practice.

The antenna circuit, comprising the horizontal top or signal pick-up unit, and the lead-in that connects the top to the receiver, is the *high* potential side of the radio frequency input system, while the ground represents the *low* or zero potential side. The antenna top, lead-in, receiver coils, and the grounded chassis or ground wire make up what is called the antenna system. The antenna circuit, or high-potential side, must not come in contact with, or even have close proximity to, any grounded object or the receiver chassis. To do so, especially at the very high frequencies, means that considerable signal energy will be lost through inductive and capacity effects. It is possible to short circuit the high-frequency antenna signals *through the air* when some part of the antenna circuit comes close to the ground circuit. It is important to bear this in mind when erecting any type of antenna system or making repairs to a radio receiver.

Ground Resistance

The prime importance of a ground, therefore, is to provide a low-resistance path so that free electrons from the earth can flow into the receiver chassis and neutralize any accumulated excess of positive elec-

tricity. That is why good grounds are stressed, for, in most cases, bad or high-resistance grounds are worse than none. Without a ground, in certain cases, as we shall see, free electrons cannot easily reach the receiver and maintain a condition of true zero potential at the negative side of the circuits. The set, therefore, cannot work as it does when a good ground provision is made. There are other reasons, too, for the use of a ground, but the above explains why a *good* ground is necessary if one is used at all.

When a doublet or "Hertz" type antenna is used a ground is not necessary to complete the circuit through the antenna coils or radio-frequency amplifying circuit of the receiver. The so-called doublet is merely two inverted "L" antennas, backed up against one another, but requiring two down leads which may be parallel, twisted or transposed. A radio signal is induced in the flat top (two halves) of the doublet and flows down and through the receiver coil, then reverses with the next alternation of high-frequency current and flows down and through the coil in the opposite direction. Thus an alternating current passes back and forth through the primary and induces a stronger current in the secondary of the coil. A ground is not needed to complete this positive to negative electric circuit. But local noises intercepted by the two leadins flow through both wires at the same time, meet at the bottom as it seems, and then cancel out. Thus the leadin provides a noise-reducing circuit in the antenna system.

A-C Set Grounds

But a ground wire in this same system might pick up noise. This electrical interference does not cancel out, and the radio set can become noisy because of its ground lead. This situation applies always to any type of receiver or antenna

system when a ground wire is utilized. The construction of a good ground is imperative. When a grounded antenna is used, a poor ground will result in weak signals, for the ground wire completes a circuit through which the antenna current oscillates, and any resistance that interferes with the passage of the current will tend to reduce its energy.

Much of the above applies to battery operated sets used in rural regions. Modern A-C operated receivers have means for grounding the chassis by providing a natural path for the free electrons. This path is by way of the grounding condensers that help to eliminate hum in the power circuit, and by capacity and inductive effects between the chassis and the windings of the transformer and power line. An electric set, which has a metal chassis, is, in effect, already grounded. It works in a satisfactory manner, but there are times a good ground wire will improve its performance, particularly on the longer waves.

Water-Pipe Grounds

When long waves are being received, those having a low frequency, the need for a good ground is greater. The very short waves, because of their disagreeable power to leak through insulation, do not require a separate ground wire, even when a single-wire "Marconi" type antenna is used. Sufficient ground contact is maintained through the wiring and transformers of the set. However, there are times when a ground seems helpful. Of course, no set rules can be established, and experimentation is one of those things we must fall back upon in order to find out which works best. When a doublet antenna is used a ground is not considered necessary, although all receivers provide a contact for it. On very short waves there are times when a solid

ground weakens signals, but, at the same instant, on the longer waves it proves beneficial. Therefore, a good ground is advocated at all times, but it may be fitted with a small switch close to the receiver, so that it can be cut on or off if necessary during short-wave reception.

We must consider resistance (which makes a poor ground) and noise pick up. Resistance occurs when the wire is carelessly attached to some metallic object, and to a greater extent when that object makes insufficient contact with the earth. This connection to the ground must be buried deep enough so as to be almost an integral part of the moist earth itself. This means, for example, that a cold-water pipe—one that is part of an urban system—is just about the best ground that can be easily obtained. But, to be as perfect as possible, the connection to this pipe should not be at some radiator or water faucet when a number of screwed joints exist between the radio and outdoors; it should be made at a point where the pipe emerges from the ground. The pipe must be cleaned to a bright finish, and the wire—not smaller than No. 12 copper—is wrapped around several times and clamped tightly or soldered. A good ground clamp, securely screwed down, may be used. All that can be done should be provided so as to make a low-resistance ground between the earth and the radio. The wire, in one length, is run directly to the set, but is kept as short as possible.

Grounds and Noise

It is not always possible to use water pipes, especially in rural regions. A strip of copper roofing material, a couple of inches wide by many feet long (at least 12) can be buried in a trench, deep in moist

subsoil. Cover with clay soil, and tamp over the strip. Then water the trench and fill with soil. Three or four new iron pipes ($\frac{3}{4}$ -inch size) 6 to 8 feet long, flattened at one end to a screw-driver-like point, can be driven into the ground with a sledge. Pick out a permanently moist spot for this, and place the pipes about 5 feet apart in a row. A No. 10 copper wire is soldered or bolted to the tops of the pipes and then run to the radio set. If the soil is sandy and dry a metal plate and wire may be dropped to the bottom of some nearby well. Otherwise, many yards of wire must be buried in trenches dug down to subsoil.

Noise pick-up by the ground wire must be avoided. The ground wire, as a rule, is overlooked when noise causes interference. The ground lead is much like the antenna lead, for it passes through the house and its electric fields. To see how well a ground wire picks up electrical energy one needs only disconnect the antenna wire from his radio and move the ground wire into the antenna terminal. Signals and noise will be heard in proportion to the length of the ground wire. Water and heating pipes also pick up this interference, for they, too, can be used as an aerial. If an external ground is used, such as the driven pipes mentioned above, they should be placed some distance from underground pipe lines and electric conduits. It is possible for water pipes to cause noise or static because of the electrolysis that takes place in and around great masses of buried metal and water. However, a good cold-water-pipe ground, as suggested, even when high in a hotel or apartment, often is the best we can do. If it picks up noise there may be little that can be done. So, at the best, we can only use judgment after a study of local conditions and let expediency be our guide.

In the WORLD of DX

• • • By CARLETON LORD

MANY times in the past, DXers have received their share of abuse as the result of poor results to stations. Either through ignorance or deliberate neglect, they have eased over program details with a bare minimum of material, frequently neglected completely the necessary item of reception data, and all too often slipped up on the matter of return postage. Although radio magazines and club bulletins repeatedly stress the necessity of making every report as complete as possible, it continues difficult to impress some listeners of the importance of this procedure. And as a result, stations continue to heap coals of fire on collective DX heads.

On the other hand, listeners occasionally find it necessary to toss a brickbat at stations which are lax in attention to reports. It has been claimed with just cause that not a few broadcasters dish up cards or letters of verification without even the formality of comparing a report with the station log. Perhaps in an effort to cater to their listeners, the stations decided that a verie was close to the heart of every DXer, and consequently bent over backward in an attempt to please.

While it is undoubtedly true that most DXers prize verifications highly, they are not interested in "cheap veries." Just as they would shun a confirmation which could be bought or otherwise obtained by faking, they have small regard for veries which are not earned the hard way.

A few years ago, it was whispered in DX circles that KGBU would issue a verification for practically any letter. As a result, even authentic veries from that station were of little value.

More recently, the bottom dropped out of the WJBK verie market, when a request that the station stand by during the first Mystery DX Contest was answered with a courteous letter of confirmation.

Latest station to fall from grace is WFMD, Frederick, Md., which broadcast for the NNRC on December 12th. On that date, a director of the NNRC addressed the following letter to the station:

"Although I was prevented by work from listening to the special program broadcast by you this morning for the Newark News Radio Club, I do want to take this opportunity to express my appreciation for the courtesy which you extended to our club.

"From the members of our Baltimore Chapter, I have had first-hand information regarding their preparations for the broadcast, and I would have given a great deal to have had the chance to listen in. Unfortunately, that was not my privilege.

"However, I do feel that too much credit cannot be given you for the splendid co-operation which you have shown us, and I want to extend my sincere thanks for your courtesies.

"Trusting that I may be able to listen in on your next dedicatory program, and with best wishes for your continued success . . ."

At the time the WFMD special was arranged, it was understood that the NNRC Baltimore Chapter would handle the verifications. Therefore, when the above letter was answered on February 17th with a handsome letter of confirmation, perhaps the blame for the careless handling should not be

placed on the shoulders of WFMD's general manager, A. V. Tidmore, who signed the letter.

Report All Specials

Despite the rather unfortunate response, the above-mentioned letter gives an excellent example of the obligation of every DXer. It's all very well to write an enthusiastic letter when a verification is desired, but the true test of a listener's sense of responsibility comes when the station's confirmation is filed away. Then is when the DXer classifies himself as the co-operative listener, who is anxious to boost his hobby, or the mere hanger-on who lets the other fellow do the work.

Listeners should always remember that they are on the receiving end of a great, big favor every time a station schedules a dedicatory broadcast. It has been reliably estimated that the cost of an hour's special program from a small station averages about fifty dollars, exclusive of talent. Multiply that by the hundred or more broadcasts specially scheduled for the average large radio club during one winter season, and it is apparent that the stations are footing a pretty heavy bill for the doubtful privilege of being heard by a few hundred DXers.

As it would be quite impossible for any club to pay the costs of the programs dedicated to it each year, much less reimburse broadcasters in accordance with established commercial rates, it is evident that the station has every right to expect some sort of a return for its outlay of cold cash. So far, broadcasters have merely asked that club members send in reports for the various programs. But unless listeners realize their responsibilities, the time must eventually come when stations will adopt a policy of "we'll play if you pay." And then it will be good night DX!

Of course, this particular problem



Nancy Kelly is still in her teens, but a trouper of long standing, who broadcasts over the CBS on the Hammerstein Music Hall, "Big Sister" and "Aunt Jenny" programs. She is also appearing currently on Broadway in "Susan and God."

has been stressed time and again in the past. It is an old story to the veteran DXer as well as to the neophyte, but its importance can never be over-emphasized.

It matters little whether or not a listener actually needs a verie from a station. He still has a definite obligation to send in a report whenever a broadcast is dedicated to his club. Even if he doesn't happen to be listening at the time of the program, he can still write a card or letter of appreciation and thanks. The small effort involved will insure future co-operation by stations—and thus continued DX for his own pleasure.

Readers Report

When it comes to sticking out a neck, old Count de Veries seems to be qualified for a pre-Thanksgiving job showing the proper technique

to a farm of turkeys. Last issue he went into ecstasies about how swell broadcast band reception had been, and now reports from readers seem to indicate that something beside his arches are falling.

"Reception on the broadcast band has been terrible for the past several months," bemoans George Nahas, 147 Seeley St., Brooklyn, N. Y. "It's now come to the stage where it takes a lot of coaxing to hear a high-powered station on the Pacific Coast. Even KFI and KNX, old standbys, now act like a couple of 100-watters. In fact, the whole broadcast band is beginning to act like the 75-meter amateur band—just a lot of noise and more noise.

"During the past month, there have been but two fairly decent catches. TGW has been logged for four consecutive Sunday evenings, and KPMC registered R6-7 one morning while broadcasting a tennis match between Fred Perry and Ellsworth Vines."

"During December and January," writes H. H. Searles, 159 Spruce Ave., Rochester, N. Y., "I swelled my log from 642 to 719 and my verifications from 538 to 626. The best stations heard during this period were KWYO, KYOS, WPRA, KLS, KRLC, KICA, and KIEM, all verified now."

"I bought my first copy of RADEX on November 7th," admits R. E. James, 336 Kingston Crescent, St. Vital, Man. "From then until today, a period of ten weeks, I have heard 249 BCB stations. Of this total, 17 are from five provinces of Canada, 212 are from 39 states of the U. S., 12 are from Mexico, seven from Cuba, and one from Puerto Rico. The better catches in my log are WKAQ, CMBS, WIOD and XEAA."

"I have been DXing for almost two years," advises Vincent C. Stason, 5347 Priscilla St., Philadelphia, Pa., "and have heard 412 stations,

of which 63 are verified. Some of the better catches are LR1, WNEL, WPRP, WKAQ, KCRJ, KOL, CMBX, CMCD, CMBS, XEMO, XEP and CMGH. My receiver is a Halli-crafters Sky Buddy. Incidentally, can anyone tell me what station is on 1100 keys and announces as Rio Rita?"

One of the few distant stations which continues to offer regular and reliable reception to American DX-ers is LR1, 1070 kcys, Buenos Aires, Argentina. This station first hit the headlines a couple of years ago when, together with several Argentine and European stations, it broadcast special test programs for the Bureau of Standards. LR1 has continued these tests and today stands as the most powerful distant signal ever to reach these shores. Its present schedule is variously reported as 2 to 3 a. m., EST, on Tuesday, Thursday and Saturday; same time seven days a week.

"I received a sample bulletin of the URDXC," postcards Walter V. Scholz, 33 N. Maple Ave., Webster Groves, Mo., "and in it I noticed that LR1 is on seven days a week from 2 to 3 a. m., EST. I tried for it and had no difficulty picking it up, sending in a full half hour report. The static was bad, but most of the time the carrier over-rode the noise beautifully. This was my first S. A. on the broadcast band."

Daytime Reception

Radio frequently plays funny pranks for the mystification of its devotees, but perhaps the oddest of all are the vagaries of daytime reception. There are times when none but local stations can be heard above the noise level, other occasions when signals cover incredible distances at mid-day.

Apparently there are no definite records for daytime reception, perhaps because few DXers look for distance when the sun is shining. But an example of what is possible

under unusual conditions is related by Cortlandt Parent, Jr., Crompond Road, Peekskill, N. Y.

"Normally my daytime reception is limited to New York City, a few Philadelphia stations, WBZ and WGY," he writes. "However, on January 18th I noticed that there were more stations than usual on the broadcast band. At 11 a. m., EST, I was surprised to hear an announcement from CKLW, Windsor, Ont., so I decided to see what the rest of the band would bring.

"In addition to CKLW, stations showing local strength were WJR, Detroit; WOWO, Fort Wayne, Ind.; and WHO, way out in Des Moines, Iowa. Good, strong signals were heard from WHKC at Columbus, Ohio; WGN, WBBM and WMBI, Chicago; and WTAM, Cleveland. A fair signal could be heard from KMOX, St. Louis. Weak signals showed from WSM, Nashville; WSB, Atlanta; and WBT, Charlotte, N. C.

"The receiver was a 1937 8-tube Silvertone. The sun was shining brightly, there was no wind, the ground was covered with snow, and the temperature was about zero. After one o'clock in the afternoon, the signals became very weak and many faded out. That evening I couldn't get any of them. Since that day, I have heard some of these stations in the daytime, but they were always very weak."

Perhaps other RADEXers have had similar experiences with daytime reception and may be able to tell us just how far it is possible to hear stations around mid-day.

Special Programs

Due to the time required in publishing each issue of RADEX, it is necessary that announcements of special broadcasts reach us well in advance of the date of the program. Frequently word of test programs reaches us too late for inclusion in the proper issue, and as a result

readers miss a chance to log many worth-while catches.

RADEXers who get their copies early will be interested to learn of a forthcoming special from KGKB, 1500 kcys, Tyler, Texas. B. A. Smith of that station advises that there will be a big DX program from 1 to 4 a.m. (presumably CST) on March 22nd. Two days earlier, March 20th, finds a UDXC broadcast from VK4IP, 1440 kcys, Ipswich, Australia, from 7 to 7:30 a.m., EST.

According to C. Roman, 1907 N. Kedzie Blvd., Chicago, there is a special frequency check program from KTEM, 1370 kcys, Temple, Texas, from 3 to 3:30 a.m., EST, on the first Saturday of each month.

Likes Monitored Verie

"I happen to be one of those DXers who was interested in ZBW at Hong Kong," supplies Alfred H. Bacon, 928 13th St., New Westminster, B. C. "I kept trying for them on and off for some weeks. At last patience rewarded me and I was able to take down a report on an hour and a half of its transmission. Having read that the station no longer issued veries, I was in a quandary. Then I learned that Stanley B. LaRue was good enough to fill the gap left open, and I forwarded my report to him. The letter of verification which he sent to me is most worth while, certainly far better than nothing at all. To me, a verification signed by an official of a recognized DX club is ample evidence of reception, and so I believe that it is an acceptable substitute for a letter direct from the station, when that cannot be had."

"For myself," states Warren E. Winkley, Hughson, Calif., "I feel that Carroll Weyrich, Stanley LaRue and E. J. Shields were trying to do DXers a favor. But instead of being thanked for their sincere efforts, they've been picked on and ridiculed. The trouble with most of

us is that we are always ready to criticize and never ready to praise. Why not turn this around? It was through Carroll Weyrich that I became interested in DXing, and since that time I've kept tab on him. Next to Earl Roberts, I rate him as the best DXer who ever turned a dial."

Wants Official Veries

"Although the verification question may be closed," contributes J. W. De-Rosa, 1721 Frederick St., E. St. Louis, Ill., "I should like to express my views. If a station does not wish to verify, that is their business. However, by constructive letters from sound-minded DXers, many of these stations can be educated on the why's and wherefore's of verifications. Personally, it took three years for me to secure a WMFO verification. But that verie will always bring back a memory—one which could never be had from a monitored card. I have countless veries from stations which apparently won't verify for every listener. Undoubtedly there is a method to be used when reporting to a 'temperamental' station."

Mysterious Mexicans

"Have been hearing a couple of Mexican stations which I haven't been able to identify," reports Jack Welsh, Kingston, Ill. "One was on 980 kcys, and signed off at 12:30 a.m., CST, on January 9th. Was this XEAC or XEFE? The second was heard on 730 kcys, at 2:30 a.m., CST, on January 17th. I got the first three letters of the call—XER—and heard the announcer state that they were located 15 miles South of the border. Could this be XERB, Rosarito Beach, B. Cfa.?"

The Mexican on 980 is referred to our readers for identification, while the one on 730 is confirmed as XERB by Arthur Child, 3700 Coldwater Canyon, North Hollywood, Calif., who adds that the station uses 100 kilowatts power.

"Station XEL, Mexico City, has changed from 780 to 1100 kcys," asserts Samuel A. Meyer, Jr., 83 Canterbury Rd., Rochester, N. Y. "Other Mexican changes include XEBZ from 1160 to 810 and XEFE from 980 to an unknown frequency. Changes in Cuba find CMBC moving from 630 to 950, CMCD from 950 to 630, and CMCB from 640 to 1230. Several new Mexicans have recently come on the air: XEFO, 1010 kcys, 50 watts, Cananea, Sonora; XEDH, 1370 kcys, 100 watts, Villa Acuna, Coah.; XEN, 775 kcys, 1000 watts, Mexico City; and XEBU, 1250 kcys, power unknown, Chihuahua, Chih. There is also a new station at Mexico City, XEXX, which has been on the air for some time, but I have not yet learned its frequency or power. Down in Guantanamo, Cuba, CMKS is a new station on 960 kcys. It is on a Cuban network with CMQ and CMJK."

"Recently I heard CMCB on 1230 kcys," notes Chet Komovowski, 368 N. Main St., Norwich, Conn., "but their verification letter showed them to be on 1060." This discrepancy is explained by the above report. Evidently the engineers could change frequency faster than the printers could change the letterhead.

"The chief trouble with DXing lately," comments Howard M. Phillips, 3907 20th St. N. E., Washington, D. C., "is the drifting of a few stations all over the broadcast band. CMK, normally on 730, roams nightly from 713 to 735. Others are almost as bad. Then, too, the Cubans are showing unusual strength, and on some nights their interference makes it impossible to hear but a few of the large American transmitters."

The recent move of TGW to 1510 kcys, is reported by many RADEXers. First to hear the station on the new frequency was George Nahas, 147 Seeley St., Brooklyn, N. Y.

Spanish Speakers

Judging by early comments, the list of Spanish-speaking stations compiled by Carroll Weyrich and Earl Roberts is going to help a lot of DXers identify the many broadcasters heard during the evening hours. At the time the list was first presented last month, it was suggested that RADEXers make as many additions as possible. Samuel A. Meyer has suggested several other stations, so here is the augmented list.

570 CMCY 5000 Havana, Cuba
 600 CMQ 25000 Havana, Cuba
 625 TIPG 2000 San Jose, Costa Rica
 630 CMCN 250 Havana, Cuba
 650 TIX San Jose, Costa Rica
 670 XELO 50000 Tijuana, B. Cfa.
 720 CMK 3000 Havana, Cuba
 755 CMBL 2500 Havana, Cuba
 760 CMHX 200 Cienfuegos, Cuba
 775 XEN 1000 Mexico City, D. F.
 810 CMCF 600 Havana, Cuba
 830 LR5 Buenos Aires, Arg.
 850 CMCN Havana, Cuba
 854 OAX4A Lima, Peru
 880 CMW 1400 Havana, Cuba
 882 YV5RQ Caracas, Venezuela
 935 XEFO 5000 Mexico City, D. F.
 950 LR3 Buenos Aires, Arg.
 955 CMBG 10000 Havana, Cuba
 960 YV5RA Caracas, Venezuela
 970 CMBY 150 Havana, Cuba
 1000 CMBZ 500 Havana, Cuba
 1005 YV5RG Caracas, Venezuela
 1030 CMCK Havana, Cuba
 1070 CMBX 500 Havana, Cuba
 1105 HJ3ABD Bogota, Colombia
 1110 CMCJ 500 Havana, Cuba
 1120 YV1RF Maracaibo, Venez.
 1125 XEJP 100 Mexico City, D. F.
 1190 LS2 Buenos Aires, Arg.
 1200 CMCO 250 Havana, Cuba
 1220 HJ3ABE Bogota, Colombia
 1230 CMCB 150 Havana, Cuba
 1260 CMC 150 Havana, Cuba
 1350 CMCA 450 Havana, Cuba
 1410 CMCQ 5000 Havana, Cuba
 1440 CMOA 150 Havana, Cuba
 1510 TGW 10000 Guatamala City

If RADEXers will assist us in keeping this accurate and up to date, the list will be run every month.

Local Color

"I was somewhat surprised when I saw you list XERO as being at Chapultepec," remarks Guy R. Bigbee, Fort Benning, Ga. "Chapultepec is the summer home of the president of Mexico, and is located at Mexico City. There is a park surrounding the castle—as that is what Chapultepec really is—and was started

during the time of the Aztecs. It was used by Emperor Maximilian and Empress Carlotta, and by each of the presidents of Mexico until Cardenas came to that office. He claims that the castle is too much like being an aristocrat, so lives in another house. The castle itself was opened by him to tourists.

Surrounding the castle is the park, or what is known as Chapultepec Park. Back of the castle grounds proper is the American section of Mexico City, known as Chapultepec Heights, and believe me there are some up-to-date houses in that section. Well worth a visit if you ever go to Mexico!

"I believe that the mistake in location of XERO was due to the fact that its card shows the picture of Chapultepec—hence the belief that the station actually was there."

European Notes

"It has been reported in the press," contributes D. H. Dussek, Marland Hall, Alton, Hants, Gt. Britain, "that Italy has decided to close the station at Bologna, and to strengthen the stations at Rome, Bari and Trieste. Bologna operates on 986 kcys with a power of 50 kilowatts.

"The new Hilversum station (Lopikerkapel), 722 kcys, 17 kw, now operates on a full schedule from 2:40 a.m. to 6:40 p.m., EST, relaying the programs of Hilversum No. 1.

"In the first week of January, the press reported that the British Government had persuaded the French authorities to ban advertising in English from French stations. The immediate result was that Radio Normandie asked its listeners to write in and state whether they wished the programs to continue. However, it now appears to have been a false alarm. A law is to be introduced which will limit the power and frequencies of the sta-

(Please turn to page 36)

The Stamp Corner

● ● ● By David Brockton Browne

POSTAGE stamps may be collected in so many different ways that each collector has endless opportunities to form the type of collection which pleases him the most. After all, stamp collecting isn't a mere matter of dollars and cents. The best collection is the one that has brought its owner the most pleasure in forming. It doesn't matter whether that collection is worth \$5.00 or \$5,000, the main point to consider is—does that collection bring enjoyment, satisfaction, and relaxation from everyday cares and worries to its owner?

Have you ever thought of forming a specialized stamp collection around the theme "Radio and Electricity"? An interesting—though not large—collection may be built around this subject at comparatively little expense.

Radio and Electricity in themselves are not widely portrayed, but many famous men identified with their development have been honored with a number of postal issues in recent years. Suppose we glance at a few of these stamps for a moment or two.

A radio broadcasting station with its two tall steel masts displayed prominently, is shown on the 30c red and black *Guatemala* stamp of 1919. The following year the same stamp was surcharged "1920—2 centavos." In 1922 when the supply of 25 centavos stamps was depleted, this stamp was again surcharged "1922—25 centavos." Thus, three stamps from a single country might well be added to our collection.

The *United States* commemorated the 50th anniversary of the invention of Thomas A. Edison's first electric lamp with a 2c carmine rose

stamp in 1929. This stamp comes in three varieties—all with the same design—which should be added to the proposed collection. They are flat plate, rotary press, and rotary press coil printings.

Italy has philatelically portrayed three of her prominent inventors, electrical geniuses who have enriched the world with their discoveries—Volta, Galvani, and Marconi.

Allesandro Volta (1745-1827) was the first producer of electric current. Whenever we speak of volts (as a unit of electromotive force) or voltaic cells, we have to thank Volta for whom *Italy* issued four stamps in 1927; 20c dark carmine, 50c greenish black, 60c chocolate, and 1.25 lire ultramarine.

Commemorating the International Radio Congress of 1934, two stamps—30c brown buff and 75c carmine rose—were issued by *Italy* bearing the portrait and autograph of Luigi Galvani (1737-1798) whose name we remember through the Galvanic theory, the galvanometer, and the galvanizing process widely used in modern industry.

The latest *Italian* commemoratives honor Guglielmo Marconi (1874-1937) whose name we all remember in connection with modern wireless and radio. The values are 20c red, 50c purple, and 1.25 lire blue.

France marked the 100th anniversary of the death of Andre Ampere in 1936 with a 75c brown stamp. Ampere's discoveries in the field of electro-dynamics gave the world the unit of electrical current that bears his name.

We will continue our visits into the historical background of radio, wireless, and electricity as portrayed on postage stamps in future "Stamp Corners." The stamps chronicled here are but a part of the collection that may be built around these subjects.

Our Readers Report

J. F. Satterthwaite, 544 Colonial Court, Toledo, Ohio, would like to know what issue of Short-Wave & Television magazine carried an entire page depicting stamps that bear on the historical side of radio and science. Your Stamp Editor is also interested in the same information—who can help supply this knowledge?

Carl Forestieri, 2224 Adams Place, Bronx, New York City, desires to exchange mint and used U. S. with other stamp collectors.

Ben Follrath, 1419 Pearl St., Alameda, Calif. would like to exchange unused stamps—both U. S. and foreign with DXers living outside of the United States. Incidentally Mr. Follrath writes "I believe that the stamp column in RADEX will make a hit with the old time collectors and cause them to bring out all their old stamp albums, thus starting all over again in their hobby." We certainly hope that this prediction comes true.

Here is a foreign collector who desires to exchange stamps with readers of RADEX; Herr H. Holst, Ulzener Strasse 22, Luneburg, Germany. He wishes to receive cancelled U. S., Canadian, Central or South American stamps in exchange for equal value of European stamps.

Stamp Digest

A milestone in the advancement of stamp collecting in the United States, the Stamp Illustration Bill, mentioned briefly in last month's "Stamp Corner" was signed by President Roosevelt, January 27th and became effective as a law, February 17th last.

The bill was enacted to permit the printing of illustrations of United States stamps for philatelic purposes in articles, books, newspapers, stamp albums, and advertising circulars, providing illustrations are less than $\frac{3}{4}$ size or more

than $1\frac{1}{2}$ size in linear dimensions of each part of the stamp. No government permits are necessary for publishers wishing to print stamp illustrations under the terms outlined.

For collectors wishing to know the names of Stamp publications of the United States and throughout the world, together with the frequency of issue and subscription price per year, Herbert L. Shatz, 1033 Chestnut St., Philadelphia, Penn., has issued a reference list that he will be glad to send free of charge to any reader of RADEX without obligation if they will write him a letter mentioning this magazine. Mr. Shatz has compiled one of the most complete listings of U. S. and foreign stamp publications in existence and collectors will certainly appreciate the great amount of effort and research that have made these lists possible.



The object of Carl Hoff's affection is, if you haven't guessed it, Tizzie Lish, the wonder-girl of the Al Pearce program, on which Maestro Hoff leads the orchestra.

Australia has issued a new 4d. green stamp with a picture of the native "teddy bear"—the Koala. Though somewhat small in size, the stamp is attractive.

Sweden recently commemorated the 250th anniversary of the birth of Emanuel Swedenborg, the great Swedish scientist, and Theologian, with two postage stamps—10 ore and 100 ore. Swedenborgs picture appears on the stamps.

If there are any questions concerning stamps that readers of RADEX would like answered—or if there is any information you would like to know—write the Stamp Editor in care of RADEX and he will do his best to comply with your desires. Cheerio!

Station News

Examiners of the Federal Communications Commission have recommended that applications be granted for new stations, as described following:

The Evening News Press, Inc., of Port Angeles, Wash., a new station to work on 1500 kcs, 100 watts nights, 250 watts to local sunset, unlimited time.

Platt and Platt, Inc., Poughkeepsie, N. Y., to work on 1000 kcs, with 1 kilowatt, daytime only.

Kanawha Valley Broadcasting Co., Charleston, W. Va., a new station to transmit on 1500 kcs, 100 watts unlimited time.

A new international broadcast station to use frequencies of 6020, 9510, 11710, 15170 and 25675 kcs, with 50 kilowatts power, in Salt Lake City, Utah. The applicant is the Church of Jesus Christ of Latter-Day Saints.

Grant of a construction permit to KCMO, Kansas City, Mo. was recommended for change of frequency from 1370 to 1450 kcs, and an increase of power to 1000 watts full time.

The University of Florida, station WRUF, was granted temporary authority to rebroadcast the Navy Time Signals from Arlington, Va. This temporary authority will expire on August 1, 1938.

The SWL Trading Post

Notices for the Trading Post Column have been accepted from readers on the understanding that all exchanges will be acknowledged, but judging from the large number of complaints received, many who have used this column have not fulfilled their obligations. Therefore, as much as we dislike making rules, we are forced to make one here.

In future, names and addresses will be printed in this column only on the written promise that *every* letter will be answered. If an exchange of SWL cards is desired, the request must be *on the writer's own SWL card*.

The Exchangers listed below have agreed to QSL 100%.

W. P. Mathers, 15325 Log Cabin, Detroit, Mich. (SWL cards).

Norman Glover, 305 S. 8th St., Ponca City, Okla. (SWL cards).

Cyrus Will, 651 Brier St., Kenilworth, Ill. (SWL cards).

Ben Follrath, 1419 Pearl St., Alameda, Calif. (SWL cards).

E. Leisering, Jr., 782 E. 32nd St., Brooklyn, N. Y. (Correspondence).

Leonard Woodall, Route 2, Plano, Tex. (SWL cards and correspondence).

David Hill, 1516 Varnum St., N. W., Washington, D. C. (Correspondence).

Alan Hutchinson, 15 Embo St., Dunedin, SW1, New Zealand. (Correspondence).

Walter V. Scholz, 2nd, 33 N. Maple Ave., Webster Groves, Mo. (Correspondence).

Stanley LaRue, 309 So. Bedford Drive, Beverly Hills, Calif. (SWL cards).

Questions ASKED By Our READERS

● ● ● By the TECHNICAL EDITOR

MY RECEIVER is a model 8K RCA Victor. I have no local stations to trouble me, but plenty of others crowd in close to either side when a good station is being received. Then, too, there are several stations right on the same channel. My antenna runs NE and SW. What length doublet do you advise if I should get one? I wish to DX on the broadcast band, but with this crowding of distant stations it is hard to separate them. Some local amateurs break in on the broadcast band. What can I do to overcome these obstacles?

This radio should work nicely on an ordinary antenna, one about 40 feet in length with as short a lead-in as possible. Removal of the ground wire might help at times, but as a rule the ground should be used. Any good doublet, or new RCA antenna, which is not a doublet, but more of the Zepp type, will work nicely with this set. The purpose of the doublet is to eliminate much of the static noise that may be heard, while, at the same time, providing a more scientific length of wire that will respond particularly to certain of the short-wave bands. Whether you need a doublet or not might depend upon your location and the degree of man-made static present.

The crowding of stations on the broadcast band is nothing unusual; instead, it seems to be the rule with most sets. If a set is highly selective, with crystal control, then it is possible to tune so sharply that most of the crowding is prevented. When this is accomplished, however, often the tone is hurt, since high-fidelity of reproduction requires a wider wave channel than

can be assigned the broadcast stations of America. A careful tuning, readjusting and aligning of this set might improve its selectivity so that DXing on the broadcast band will be better.

Sometimes a good wave trap will help. If the trap is selective and easily adjustable, it can be set each time to cut out a closely interfering station, especially if it is some local or nearby amateur. Unfortunately, a good wave trap cannot be made to cover a wide or all-wave band. Separate traps must be used for different portions of the wave band. Among suitable traps on the market is one made by the Miller Company. Adjustment of the trap is simple. Merely tune in on the radio a station or frequency you desire to cut out. Then adjust the knobs on the trap for a minimum signal so that the undesired station is almost or entirely cut out. After doing this and retuning the set to the desired station at almost the same kilocycle setting, the interfering stations will be absent. By repeating this setting at all the stations desired when other station interference is heard, DXing on the broadcast band will be a happier event. Special wave traps for the amateur and short-wave bands can be procured, and one of these will prevent your local amateur from being a nuisance. Wave traps can be used with either a single wire or doublet antenna.

Ground Wire

My ground consists of 4 galvanized iron pipes six feet in length and all driven into the earth. They are connected together with a wire that runs fifty feet upstairs to my

RCA C7-6 receiver. I cannot make this ground any shorter. Now, if I used a thicker wire will it help to prevent noise and give me better reception? I do not have an all-wave antenna. It is a single wire, stranded, about 75 feet without the leadin, which is lamp cord wire.

The four pipes driven into the earth for almost a distance of six feet should provide an excellent ground provided the character of the soil is such that it is earthy with clay and permanently moist. Pure sand, or very dry earth, makes a poor ground. Some spot, close to the house and in a low place where water drips from the eaves, is best. Or water may be poured down the pipes at frequent intervals. The wire, about No. 10 bare copper, should be soldered either to the tops of the pipes or securely attached with bolts that pass through the diameter of the pipes at the tops. The wire should continue directly up the side of the house and into the room where the radio is located. Keep the wire as far as possible from other electric wires, telephones and bells.

Your antenna of 75 feet might be too long. About 40 feet is sufficient, and this size is used with a very short leadin. The height of the antenna is of greater importance. The leadin must be of the same diameter or the same kind of wire, but as short as practicable. The ground wire of No. 10 size, is very little more than 1/10th inch in diameter, and a suitable antenna wire, No. 14, is approximately 6/100ths inch in diameter.

If noise is bothering you too much, and it comes from a man-made or electrical source other than natural sky static, it will be well to procure a good noise-eliminating antenna or standard make of doublet. These antennas, while not rejecting the static that is picked up by the

antenna top, will not intercept the local static around the house to as great an extent as the single-wire leadin of the plain aerial system.

Adjusting Philco 16

Can you supply me with data for aligning my Philco 16 receiver? It is hard to have such work done here in Central America. Please tell me the sequence to be followed in doing this work.

The intermediate frequency of this set is 460 kcs.. The first three bands should be aligned, but the fourth should not be touched. This is the ultra-short wave band and the coils and leads should not be moved or touched in any way. However, since a test oscillator is needed to do any kind of a fair job, we recommend that a service man or factory adjustment be obtained.

The broadcast band can be aligned at 600 and 1,400 kcs. The first short-wave band on about 4,800 kcs., and at 15,000 kcs., for the third band. The fourth band, of course is not touched. Connect the oscillator output to first detector grid and the chassis, and place the reading output meter across the voice coil of the speaker. Adjust the i-f trimmers until maximum output is read on meter. The test oscillator is set to operate on 460 kcs. Then connect this oscillator across the antenna and chassis. Align the r-f tuner, oscillator and first detector. Set the volume control at its maximum position. Adjust the broadcast band trimmers, using first 1,400 and then 600 kcs. Then follow, using 4,800 and 15,000 kcs., and adjust the first and second short-wave bands, respectively. However, a good service man can also adjust for image frequency and other things that might occur, and we seriously recommend that you return the set to the factory if a good local expert cannot be located.

Multiple Antenna

I would like to erect 5 or 6 antenna wires pointing in different directions, but all meeting in the center. Would it be best in regards to receiving ability to solder them all together and then attach a doublet leadin, or should I have different leadins for each?

If you wish you can erect two doublets, one just above the other, but at right angles to each other. This calls for two separate leadins and a switching arrangement at the bottom. An idea that you can try is to erect four wires, all in the same horizontal plane, placed at right angles or 90 degrees to each other, each one 30 feet in length. This will look like a four-spoked wheel without the rim. The wire that runs from the center directly *north* is soldered (at the center) to the wire that runs directly *west*. The same connection applies to the *south* wire and the *east* wire. The two "V" connections are joined at the center with an ordinary antenna insulator. Insulators too, are used at the four ends. At the center insulator, the two contacts are considered as from single wires, the same as in any doublet antenna, and attach to a doublet down-lead that goes to the radio receiver. This form of double-doublet antenna eliminates some of the undesirable directional qualities of the standard doublet. However, in many cases the directional effects are beneficial, so the two separate doublets, with two leadins and a double-pole double-throw switch, may be used to advantage when receiving from certain directions on short waves.

There is an antenna system, arranged somewhat like the above double switching system, now on the market. It provides a choice of directional doublets thus making it possible to obtain maximum signal energy from either of the four compass points. Intermediate direc-

tions are brought in by switching off one leg of each doublet. A special transformer coupler with switch knob on the top is used.

Trickle Charger

Will you please answer in your columns what liquid and quantity of same is used to charge a Balkite trickle charger. This is an old charger and I may not be able to procure the standard ingredient.

Many of these and similar chargers have been sold and still are in use. In practically all makes of trickle chargers electrolytic rectifiers employing aluminum and lead are used for the electrodes, and a solution of borax and pure water is satisfactory. The solution should be saturated, that is, all the borax is stirred in that can be dissolved. Sufficient electrolyte is placed in the container to cover the inserted electrode. In the Balkite rectifier this electrode usually will be found to be made of tantalum instead of ordinary aluminum. Some rectifiers use a very weak solution of water and few drops of sulphuric acid, but as a rule the cheap and simple borax solution will work well.

Double-Spot Tuning

Trouble has arisen in my Audiola 23S12 receiver since I had some new resistors and realigning work. The serviceman now says the set is perfect. But I get image frequencies that never bothered me before. He tells me that a wave trap might help. No one else experiences this difficulty nearby, so it must be in the receiver. I had another man check the set and he says it is perfectly balanced. A station 7 miles from here operates on 1320 and repeats again on approximately 980 kcs. This spoils reception from KDKA and causes a whistle on their carrier. Another station, on 1070, 45 miles distant, repeats on about 720 where I would otherwise get WGN if this interference from image frequency did not prevent

Then the same sort of thing occurs with other stations. Why is this and what can be done to eliminate the trouble?

The duplication of certain stations, usually those of high power and located rather close by, on some other frequency so that they interfere with more distant stations, is known as image frequency or double-spot reception. In this case a station that is normally heard on some upper portion of the dial will be found to repeat again at a lower portion (in kilocycles) where a distant station normally comes in. This situation is brought about by a certain combination of different frequencies created within the set, particularly if the repeating station has a loud signal coming down a clear channel, or if it is nearby.

The repeat point where double-spot reception is heard will be found to be *twice* the value of the intermediate frequency of the set. That is, the repeating point on the dial will be *separated* from the normal tuning point by this number. In your particular set, the i-f is 177.5 kilocycles. Twice this figure is 355 kcs. Therefore, the repeating points always will be 355 kilocycles lower than the normal tuning point. So, when a station comes in at 1320 kcs. on the dial it will be found to repeat at a point that is 1320 minus 355, or approximately 965. This, you have found to be the repeat point, and this interferes with reception of another loud station on 980 kilocycles. In the second case a station normally comes in on 1070 kcs. But it also is heard on about 720 kcs. Take 1070 minus 355 and you get 715, which is your exact repeat point, and this interferes with reception of a station on 720 kcs. The repeating will appear loudest on some station close to the calculated repeat point because the set is tuned to maximum gain on the

desired signal.

The problem is to get rid of repeating or double-spot reception. This trouble will appear all over the dial as long as 355 kilocycles separation between the two points is possible without running off the dial. A very selective tuning circuit will prevent this trouble, and if it did not give this trouble previous to the overhauling of the set, it seems to us that adjustment is all that is necessary. Image frequency is prevented by keeping out strong signals that push into the r-f and i-f circuits although not tuned to them. A good r-f stage is needed, and even a pre-selector may become necessary. But we feel that there should be a good readjustment of the tuning circuit, especially the r-f stage and the i-f stages. The latter must be set to respond exactly to its proper i-f of 177.5 kilocycles.

The intermediate-frequency stages may be incorrectly adjusted, and an incorrect tracking of the r-f, oscillator and detector tuning condensers can be responsible. Sometimes poor shielding of the oscillator and first detector circuits and coils causes inductive troubles that lead to image frequency. A good wave trap is useful in reducing the strength of the interfering signals. The trap is tuned to minimum reception of the unwanted signal, and, therefore, it will not repeat at the spot where you wish to pick up another station. In bad cases it has been necessary to change the intermediate frequency of the receiver, and this trouble is more frequent on sets such as yours than on those employing a higher i-f. If this latter is about 460 kcs., then twice that number is 920, and this is too much spacing to permit the original signal and its image being heard over the dial in more than one or two rare cases.

Repeating may also occur at ir-

regular points on the dial; those places which have a direct harmonic relationship to the strong signal causing the repeating. Each harmonic, the second and third, will also have a difference with respect to the i-f of the set, and these, too, will make weak double-spot reception points which heterodyne with the desired signal and cause a whistle or distortion. You must prevent the excessive pickup of the repeating signals. Perhaps you have too much antenna length. It may be that the r-f tube and first detector or mixer tube are operating at a low level because the grid bias is improper. We suggest, too, since the set seems balanced, that the serviceman very carefully check this bias. It must not be excessive.

Noisy Receiver

I have a Philco 116X, but every time I tune to the short waves and an automobile passes by I hear the noise. Then, too, when the volume is turned up I get a great deal of static. Why is this?

As long as automobiles pass close to sensitive radio sets we shall continue to pick up the tiny radio waves that are emitted every time a spark is created in the ignition circuits. It has been found that a good noise-reducing antenna, such as a properly designed doublet or Zepp type, when the antenna top is as far away from the street as possible, will cut down the automobile noise to almost nil. The very short waves, then, will get the greatest amount. This cannot be prevented.

The noise that is heard when the volume is turned up full often is due to atmospheric static (which no antenna will prevent) or electric power lines noises, or the sounds within the set. High amplification makes audible the electronic agitation within the tubes, batteries and power units. This noise is natural and cannot be controlled unless the set is defective. The noise level

or background usually cuts down when a signal is tuned in. If the noise persists when the antenna and ground are disconnected and the volume increased to maximum, the sounds may be internal electrical noises. But when the set is attached to the antenna and ground and the noise begins again, it is due to static. In the case of power-line interference a good line filter will prove beneficial.

Local Interference

Please tell me how I can get away from WSMK on all bands of my set. They have their antenna across the river from me and this interference prevents me from understanding many stations that I pick up.

When a nearby station, with high power, interferes it can create double-spot reception by forcing its strong signals into the receiver where they cause separate signals on all the harmonics of the frequency used, as well as some other irregular frequencies. This type of query has been answered above in some detail because it is one that affects so many listeners. In your case we recommend the use of a good wave trap tuned to resonance on the signal that interferes. Such a trap has been described in one of the answers above, and may be procured direct from the makers or all radio distributors.

About Pre-Selectors

I have a Lafayette J-36 receiver which has a long wave band. Can I remove this and substitute a short-wave band? Also, can a pre-selector be used, and where can they be obtained??

RADEX has received many inquiries about pre-selectors or pre-amplifiers during the past month or two. These units, which are pre-amplifiers which take the antenna signals at radio-frequencies and step them up or amplify them before passing into the receiver. This ac-

tion provides a stronger r-f signal than ordinarily enters a radio set unless it has two or three stages of r-f amplification—something that is becoming more rare in modern radio receivers. This increase in signal strength together with its tuning, tends to provide a stronger signal without interference. Such an arrangement, therefore, will cut through more interference, but it may detract somewhat from the quality of signals and reduce their high fidelity.

We have mentioned once or twice the Miller pre-selector and pre-selector kit. This covers a range of from 12 to 200 meters or practically all of the short waves. It has two stages of r-f amplification and may be used with any all-wave receiver. It prevents all image frequency interference. Special coils may be used for the broadcast band. The Miller people guarantee that their pre-selector will bring in more DX reception. It has a self contained power unit and may be used with any type of antenna.

Pre-selectors may be procured from some of the mail order houses, and as we go to press information comes from Allied Radio that they sell pre-selectors completely assembled and also in kit form. The units come with 3 tubes and in different models for three band coverages. Allied Radio's address is 833 W. Jackson Blvd., Chicago, Ill., and the J. W. Miller Co., is at 5917 South Main St., Los Angeles, Calif. When our readers write either of these concerns they should mention RADEX.

As to your inquiry about removing one band and substituting another: This can be done in some of the older r-f sets where the changes are easily made without involving its actions too seriously. We do not recommend removing the long-wave band and substituting a short-wave band. You would have

to redesign the coils or get new ones, and they must be tuned with new condensers; then all your circuits and adjustments would be out. It simply is not worth the trouble. Get yourself a good short-wave converter. This unit will enable any owner of a standard broadcast or long wave set, to pick up short-wave stations. At the same time the broadcast portion of the receiver still is useful.

Indoor Antenna

I have a Zenith 12 tube receiver that operates with a Zenith doublet antenna erected outdoors. However, now that I am building a new home, I should like to arrange for an indoor aerial in the attic. Will you please tell me how to do this so that good reception on both broadcast and short waves will be assured?

While inside antennas are not to be recommended when efficient long distance reception is desired, it is known that they are often very satisfactory. It is true that radio waves have little respect for the walls of our homes, for they pass right through, but, on the other hand, metal roofs, brick and plastered walls, all absorb some of the signal energy. If you have an unfinished attic with a wooden shingle roof we think that a good indoor antenna can be erected, but you will be subject to a considerable extent to electrical pickup from appliances in the house. An outdoor antenna, such as you have is best. The Zenith antenna has an overall spread of 60 feet, which, of course, would be too much for the average attic length. A single wire in the attic, stretched diagonally so as to obtain length, would be best. The single leadin can drop down through one corner of the attic to the radio set on one of the floors below. You might try erecting your doublet in the attic as follows. Place the con-

(Please turn to page 36)

FACSIMILE in the Home

RADIO stations in at least a dozen cities have been given permission to broadcast facsimile transmissions on their regular broadcasting frequencies, between the hours of midnight and 6 o'clock in the morning. A few of these stations are already on the air and others will commence transmissions as fast as equipment can be made available.

Two different systems of facsimile are being used, the RCA system as developed by Charles J. Young, and the Finch System, manufactured by William G. H. Finch.

The RCA-Victor System

The RCA-Victor radio facsimile system, designed to flash pictures, news bulletins and other text matter through the air and into the home, was first publicly demonstrated last February in Washington, D. C. Already seven large stations have placed orders for the new apparatus, preparatory to launching their experimental services. These stations are KMJ Fresno, KFBK Sacramento, KHQ Spokane, WBEN Buffalo, WTMJ Milwaukee, KGW Portland and WOR Newark.

This system of picture transmission utilizes ordinary white or newsprint paper, and ordinary carbon paper, at the receiving end. The width of the paper roll on which the facsimile material is printed is $8\frac{1}{2}$ inches, and the proposed length of each page is twelve inches in a continuous roll. Printing speed is at the rate of three feet per hour. A time-clock arrangement at the printer-receiver automatically turns the apparatus on and off in accordance with a predetermined transmission schedule.

The facsimile receiver-printer is encased in a simple wood cabinet measuring only 18 by 18 by 12 inches. All the mechanism and controls are inside so they may not be tampered with once they have been properly adjusted. The paper rolls out through a slit in the front of the cabinet. Two designs have been developed; one is fairly elaborate and automatically cuts the paper into 12 inch pages and deposits them neatly in a tray. The other is much simpler and does not cut the paper into strips.

The new, simplified system was developed after years of experimentation with many different types of printers, some of which were employed for commercial transmission of weather maps and information to ships at sea, and for the transmission of photographs and other material across the Atlantic.

Facsimile signals are picked up exactly as in sound broadcasting, but instead of passing through the loudspeaker they are made to actuate a printer mechanism. Continuously feeding rolls of paper are led past a metal cylinder drum, on which a single spiral of wire projects a fraction of an inch above the surface. The fluctuations in the intensity of the incoming signals press the paper and the carbon together against the spiral to make marks corresponding to the light and shade of the original picture at the transmitter.

These signals may be heard on the loudspeakers of ordinary radios, when broadcast frequencies are used, as high pitched tones of varying intensity.

The Finch System

The Finch home recorders, like those of the RCA System, are en-

tirely automatic, turning on and off according to a pre-arranged schedule. These units are approximately the size of a typewriter, and are designed to operate from any alternating or direct current power supply, or even for battery operation for farm use.

This system makes use of white or carbon-backed paper, and all printed matter is immediately visible at the receiving end. The width of the pages on the receivers used at present is four inches, but recorders are being developed which will be capable of printing pages six inches wide. The speed of reception is five feet per hour.

Seven radio stations have ordered Finch apparatus. Among them is WOR, which is also reported to have RCA apparatus, but we doubt if this station will use both systems. Other Finch users will be WHO Des Moines, WGN Chicago, WSM Nashville, KSTP St. Paul, WHK Cleveland and WGH Newport News, Va.

Finch facsimile is also broadcast by experimental station W2XBK on 1614 kcs, licensed to the Finch Telecommunications Laboratories.

Facsimile Broadcasters

The following stations have been licensed to broadcast facsimile, as of March 1, 1938.

- KFBK, Sacramento, Calif., 1490
- KMJ, Fresno, Calif., 580
- KSD, St. Louis, Mo., 550
- KSTP, St. Paul, Minn., 1460
- WGH, Newport News, Va., 1310
- WGN, Chicago, Ill., 720
- WHK, Cleveland, Ohio, 1390
- WHO, Des Moines, Iowa, 1000
- WOR, Newark, N. J., 710
- WSM, Nashville, Tenn., 650
- W1XX, Boston, Mass., 41000
- W2XBK, New York, N. Y., 1614
- W2XR, New York, N. Y., 1614, 2012, 2398, 23100, 41000
- W7XBD, Portland, Ore., 1614, 2398, 3493
- W9XAF, Milwaukee, Wis., 41000
- W9XAG, Milwaukee, Wis., 1614, 2398, 3496, 4798, 6425, 8655

Scanning the AMATEUR BANDS

● ● ● By B. L. Ahman, Jr.

INTERESTING letters from listeners far and near have added to our knowledge of amateur activities this month. While the "Trill Bands" have not been unusually thrilling this month, some good catches have been recorded.

Stanley LaRue of Beverly Hills, Calif., leads off with a question. "One morning between 1:15 and 1:45 am, EST, I picked up AC3KX. This is my third reception of this strange station and I am at a loss to know where it is located," he writes. "The operator of AC3KX said, the first night I heard him, that reports were welcome and would be confirmed, but I haven't yet been able to get the QRA. The signal strength is usually about QSA3, R4, with fading bringing the signals up at times for short intervals. The operator has a peculiar foreign accent that I cannot identify, and he announces his call in English as AC3KX, A-America, C-China, Three, K-King, X-Xray."

Can any RADEX readers help Mr. LaRue?

The *Australasian Radio World* reports that several members of the No. 8 Squadron, Royal Air Force, at Aden, have formed a shortwave club and have put a transmitter on the air on 20 meters. It works only on code at present, from 8 am to midnight, daily except Mondays and Tuesdays. Pending assignment of an official call, they are using the call letters KSWC.

Al Bettinger writes in with the news that a new ham has just been licensed in Guatemala, TG9AA. This news followed on the heels of a report that all Guatemalan hams will be given TG9-calls.

North African stations have now reached their peak, while South Africans are but rarely received. Two northern Africa stations have exceptionally attractive cards, and they reply quickly to reports. The stations are CN8AJ and SU1SG and listeners who have not yet verified them should try to do so.

Good Catches

Listeners desiring to add a new country to their logs should keep a sharp look-out for G8LP in the Channel Islands. This station has a British prefix, but inasmuch as the Channel Islands is governed under Norman laws it can hardly be considered as a part of the United Kingdom. The Islanders themselves claim they have no connection with Britain.

The 20 meter band opens up near 1 am, EST, for European stations, and usually the very first one to come through is ES5D in Estonia. It is one of the best European signals at this time. About a half hour later the British stations come through and it is not uncommon to log at least twenty different G's in a morning. The best ones are G6QN G5RV and G2XV.

Other early morning catches are GM2UU on 14276 kcs, GI2CC, PAOMQ, VP1BA and ZP2AC.

Paraguayan ZP2AC is best received near 3 o'clock in the morning, and VP1BA in British Honduras comes through in the evening as well as in the early morning hours. VP1BA is heard just below the American phone band.

Some Reports

Walter Th. Kamman of Caracas, Venezuela reports a number of stations which are given in the Calls Heard section. His best catch is HZ3D, which, according to the international prefixes, would be in Hejaz in Asia Minor.

Tom McCormick of Shaker Heights, Ohio, who hopes to be a

fullfledged amateur before long, reports good reception on ten meters. Some of the better ten meter catches are 1I1T, 1I1R, 1I1KN, GW2UL, CN8AV, ZS2N, ZS6AJ and ZU6T. Tom has heard every continent except Asia on ten, and he says he will have his ten meter Heard All Continents as soon as YI2BA goes on this band.

Charles Genan of Jamestown, N. Y., and George Nahas of Brooklyn, N. Y., tell us that reception in New York State is fine. Charles is hearing regularly stations in Venezuela, Argentina, the British West Indies, Great Britain and Newfoundland. George reports his best catch is FR8VP in Syria.

Jack Quintrell of Seat Pleasant, Md., reported a lot of good catches in this column last month, and more of his Calls Heard are shown in that section this month. We are sure the real estate values will boom in Seat Pleasant when the DXers read over his list of stations heard and flock to that pleasant little town to take up their residences.

Station W1OXAB, sometimes operated under the call OX2QY, at Reindeer Point, Etah, Greenland, is reported by David Hill of Washington, D. C., and by Martin Olthoff of Independence, Kans. The call OX2QY is used when the station operates as an amateur, and W1OXAB when used as a commercial station.

Addresses

We list below the call letters, the frequency and the address when known of every amateur station mentioned in these columns. Addresses will not be repeated, however, so readers are urged to keep these columns for future reference.

(The letters LF, MF and HF in parentheses following the call letters of stations mentioned in this column indicate the Low Frequency, Middle Frequency and High Frequency portions of the 20 meter amateur band. Low Frequency

stations are those on frequencies between 14,000 and 14,100. Middle Frequencies are from 14,100 through 14,300. High Frequencies are from 14,300 through 14,400. No attempt is made to show exact frequencies as they vary so greatly).

CN8AJ, Rene Crettien, 29 Rue des Villas, Casablanca, Morocco.

FR8VP, Rene Fritsch, i/c Communications T-4 Station, Box 107, via Homs, Syria.

GW2UL, Ernest Dell, Morlais, Dowdeswell Place, Upper Loughor, Swansea Glam., Wales.

G8LP, H. G. Hanley, 20 Uplands Ave., Bradmore, Wolverhampton, Gt. Britain.

KSWC, (Temporary call), L. A. C. Dean, No. 8 Squadron, Royal Air Force, Aden.

TG9AA, 7th Ave., South 94, Guatemala City, Guat. 55 watts. On 10 and 20 meters.

YI2BA, Messrs. Mellon & Norman, c/o Port Directorate, Basyra, ya, Mirgil ya, Iraq.

ZS6AJ, J. P. R. Friedenthal, P. O. Staff, Johannesburg, Union of South Africa. (LF).

Readers' Questions

(Continued from page 32)

necting or central insulator at one corner of the attic, over the radio set. Take one leg of the antenna and stretch it down one side and along the other. It will turn at right angles at the next corner of the wall. In other words, its layout will resemble a letter L laid horizontally on its side. Then take the other leg or wire and run it around the other two side walls of the attic. If the length of two sides of the attic are more than 30 feet total distance, then the two wires will not meet at the corner diagonally opposite from which you started. There should be as much distance as pos-

sible between these extreme ends of the two doublet wires. The antenna leadin, which will not pick up noise, can be dropped down to the receiver. While this scheme does not permit of the two halves of the doublet being stretched out in one straight line for highest efficiency, it does permit of considerable signal pickup and helps reduce the noise.

World of DX

(Continued from page 23)

tions concerned. Stations affected by the law would be Poste Parisien, 959 keys; Lyons, 1393 keys; Toulouse, 913 keys; and Radio Normandie, 1113 keys. Apparently the new law will have no effect on the situation at all. No doubt, however, the British authorities will not give up the task."

"There are a few corrections to the time schedules of stations as listed in the January RADEX," advises Clarence Wakefield, Warton, Ont. "CKLW is now on from 6 to 4 a.m., EST, while CJRC now signs off at about 2 a.m. I tuned in KFWB the other morning and heard them sign off at 4 a.m., EST, saying they would be back on the air at 6:30—which would make their schedule 9:30 to 4 a.m., EST."

"Who remembers," queries E. M. Vickers, Box 121, Coral Gables, Fla., "When Harry Snodgrass was tickling the ivories over WOS; and WCAP was the Chesapeake & Ohio Telephone Co. in Washington; when KDPM was broadcasting from Cleveland, Ev Jones held forth with the cuckoos over WJAX in that city, and WTAM shared time with WSBT; and when WJZ and WEAF used the same antenna, but broadcast on different frequencies?"

Frequency Check Schedule

THE Federal Communications Commission recently has adopted a new schedule for its monthly frequency checks. Reducing the periods for each station from 20 to 15 minutes, the FCC now has one or more broadcasters signing on every five minutes. A total of 335 stations is included in the schedule which is now in operation.

As in the past, the tests take place during the second week of each month. In April, the schedule will commence on Friday the 8th and continue through Thursday the 14th.

All times listed are a.m., Eastern Standard.

Second Monday

| | | | |
|-----------|-------|------|-------------------------|
| 3:00-3:15 | WABY | 1370 | Albany, N. Y. |
| 3:05-3:20 | WMA5 | 1420 | Springfield, Mass. |
| 3:10-3:25 | WCAX | 1200 | Burlington, Vt. |
| 3:15-3:30 | WIRDO | 1370 | Augusta, Maine |
| 3:20-3:35 | WAGM | 1420 | Presque Isle, Me. |
| 3:30-3:45 | WQDM | 1390 | St. Albans, Vt. |
| 3:35-3:50 | WMFJ | 1310 | Plattsburg, N. Y. |
| 3:40-3:55 | WABI | 1200 | Bangor, Maine |
| 3:45-4:00 | WCAD | 1220 | Canton, N. Y. |
| 3:50-4:05 | WLNH | 1310 | Laconia, N. H. |
| 3:55-4:10 | WIBX | 1200 | Utica, N. Y. |
| 4:00-4:15 | WWRL | 1500 | Woodside, N. Y. |
| 4:05-4:20 | WMBO | 1310 | Auburn, N. Y. |
| 4:10-4:25 | WBRB | 1210 | Red Bank, N. J. |
| 4:20-4:35 | KVOX | 1310 | Moorhead, Minn. |
| 4:25-4:40 | KFPW | 1210 | Port Smith, Ark. |
| 4:30-4:45 | WMLN | 1370 | St. Paul, Minn. |
| 4:35-4:50 | KNET | 1420 | Palestine, Texas |
| 4:40-4:55 | WBBZ | 1320 | Ponca City, Okla. |
| 4:45-5:00 | KFGQ | 1370 | Boone, Iowa |
| 4:50-5:05 | KRRC | 1420 | Abilene, Texas |
| 4:55-5:10 | KGHI | 1200 | Little Rock, Ark. |
| 5:00-5:15 | KTEM | 1370 | Temple, Texas |
| 5:05-5:20 | KABR | 1420 | Aberdeen, S. D. |
| 5:10-5:25 | KGKX | 1200 | Sterling, Colo. |
| 5:15-5:30 | KFJZ | 1370 | Fort Worth, Texas |
| 5:20-5:35 | WMBH | 1420 | Jonlin, Mo. |
| 5:25-5:40 | WLL | 1200 | St. Louis, Mo. |
| 5:30-5:45 | WOC | 1370 | Davenport, Iowa |
| 5:35-5:50 | KABC | 1420 | San Antonio, Texas |
| 5:40-5:55 | KADA | 1200 | Ada, Okla. |
| 5:55-6:10 | KLUF | 1370 | Galveston, Texas |
| 6:00-6:15 | KHBC | 1400 | Hilo, Hawaii |
| 6:05-6:20 | KRE | 1370 | Berkeley, Calif. |
| 6:20-6:35 | KXO | 1500 | El Centro, Calif. |
| 6:10-6:25 | KWG | 1200 | Bakersfield, Calif. |
| 6:15-6:30 | KERN | 1370 | Bakersfield, Calif. |
| 6:20-6:35 | KUMA | 1420 | Yuma, Ariz. |
| 6:25-6:40 | KVCV | 1200 | Redding, Calif. |
| 6:30-6:45 | KIS | 1280 | Oakland, Calif. |
| 6:35-6:50 | KYOS | 1040 | Mered, Calif. |
| 6:40-6:55 | KSUN | 1200 | Lowell, Ariz. |
| 6:45-7:00 | KGDM | 1100 | Stockton, Calif. |
| 6:50-7:05 | KIEM | 1450 | Eureka, Calif. |
| 6:55-7:10 | KVEC | 1200 | San Luis Obispo, Calif. |

Second Tuesday

| | | | |
|-----------|------|------|----------------------|
| 3:00-3:15 | WSJS | 1310 | Winston-Salem, N. C. |
| 3:05-3:20 | WMFJ | 1420 | Daytona Beach, Fla. |
| 3:10-3:25 | WAIM | 1370 | Anderson, S. C. |
| 3:15-3:30 | WMFD | 1370 | Wilmington, N. C. |
| 3:20-3:35 | WEED | 1420 | Rocky Mount, N. C. |
| 3:25-3:40 | WJNO | 1200 | W. Palm Beach, Fla. |
| 3:30-3:45 | WRDW | 1500 | Augusta, Ga. |
| 3:35-3:50 | WICA | 940 | Ashtabula, Ohio |
| | WIOD | 610 | Miami, Fla. |
| 3:40-3:55 | WAYX | 1200 | Waycross, Ga. |
| | WBLV | 1210 | Lima, Ohio |
| 3:45-4:00 | WDNC | 1500 | Durham, N. C. |
| | WPAY | 1370 | Portsmouth, Ohio |
| 3:50-4:05 | WAIR | 1250 | Winston-Salem, N. C. |
| | WMBC | 1420 | Detroit, Mich. |
| 3:55-4:10 | WALR | 1210 | Zanesville, Ohio |
| | WAFR | 1200 | (High Point), N. C. |
| 4:00-4:15 | WHBB | 1500 | Selma, Ala. |
| | WKRC | 550 | Cincinnati, Ohio |
| 4:05-4:20 | WCLE | 610 | Cleveland, Ohio |
| | WSMB | 1320 | New Orleans, La. |
| 4:10-4:25 | KALB | 1210 | Alexandria, La. |
| | WLBC | 1310 | Muncie, Ind. |
| 4:15-4:30 | KELD | 1370 | El Dorado, Ark. |
| | WOPI | 1500 | Bristol, Tenn. |
| | WWAE | 1200 | Hammond, Ind. |
| 4:20-4:35 | WACO | 1420 | Waco, Texas |
| | WBCM | 1410 | Bay City, Mich. |
| | WDBO | 580 | Orlando, Fla. |
| 4:25-4:40 | KNYZ | 1440 | Houston, Texas |
| | WCMI | 1300 | Ashland, Ky. |
| | WSIX | 1210 | Nashville, Tenn. |
| 4:30-4:45 | KGKL | 1370 | San Angelo, Tex. |
| | WHBY | 1200 | Green Bay, Wis. |
| | WHEF | 1500 | Kosciusko, Miss. |
| 4:35-4:50 | KCMC | 1420 | Texarkana, Tex. |
| | WHK | 1390 | Cleveland, Ohio |
| 4:40-4:55 | KRGV | 1260 | Weslaco, Texas |
| | WADC | 1320 | Akron, Ohio |
| 4:45-5:00 | KTOK | 1370 | Oklahoma City, Okla. |
| | WJBK | 1500 | Detroit, Mich. |
| | KGFF | 1420 | Shawnee, Okla. |
| 4:50-5:05 | KFVS | 1210 | Cape Girardeau, Mo. |
| 4:55-5:10 | KMAC | 1370 | San Antonio, Texas |
| 5:00-5:15 | KAND | 1310 | Corsicana, Texas |
| 5:05-5:20 | KLAH | 1210 | Carlsbad, N. Mex. |
| 5:10-5:25 | KIUP | 1370 | Durango, Colo. |
| 5:15-5:30 | KFXR | 1370 | Oklahoma City, Okla. |
| 5:20-5:35 | KDLR | 1210 | Devils Lake, N. D. |
| 5:25-5:40 | KICA | 1370 | Clovis, N. Mex. |
| 5:30-5:45 | KGMB | 1320 | Honolulu, Hawaii |
| 5:40-5:55 | KBTM | 1200 | Jonesboro, Ark. |
| 5:45-6:00 | KRMC | 1370 | Jamesstown, N. D. |
| 6:00-6:20 | KORE | 1420 | Eugene, Ore. |
| 6:10-6:25 | KOOS | 1200 | Marshfield, Ore. |
| 6:15-6:30 | KAST | 1370 | Astoria, Ore. |
| 6:20-6:35 | KPQ | 1500 | Wenatchee, Wash. |
| 6:25-6:40 | KFXD | 1200 | Nampa, Idaho |
| 6:30-6:45 | KUJ | 1370 | Walla Walla, Wash. |
| 6:35-6:50 | KRNR | 1500 | Roseburg, Ore. |
| 6:40-6:55 | KVOS | 1200 | Bellingham, Wash. |
| 6:45-7:00 | KEEN | 1370 | Seattle, Wash. |
| 6:50-7:05 | KMED | 1410 | Medford, Ore. |
| 7:00-7:15 | KRKO | 1370 | Everett, Wash. |

Second Wednesday

| | | | |
|-----------|------|------|-------------------|
| 3:00-3:15 | WTEL | 1310 | Philadelphia, Pa. |
| 3:05-3:20 | WNBF | 1500 | Binghamton, N. Y. |
| 3:10-3:25 | WLVA | 1200 | Lynchburg, Va. |
| 3:15-3:30 | WSAJ | 1300 | Grove City, Pa. |
| 3:20-3:35 | WWSW | 1200 | Pittsburgh, Pa. |
| 3:25-3:40 | WBAX | 1510 | Wilkes-Barre, Pa. |
| 3:30-3:45 | WHAT | 1310 | Philadelphia, Pa. |
| 3:35-3:50 | WRTD | 1500 | Richmond, Va. |

New Television Tubes

| | | | |
|-----------|------|------|---------------------|
| 3:50-4:05 | WGAR | 1450 | Cleveland, Ohio |
| | WOLS | 1200 | Florence, S. C. |
| 3:55-4:10 | WCOL | 1210 | Columbus, Ohio |
| | WLAK | 1310 | Lakeland, Fla. |
| 4:00-4:15 | WCAZ | 1070 | Carthage, Ill. |
| | WQBC | 1360 | Vicksburg, Miss. |
| 4:05-4:20 | WJBO | 1120 | Baton Rouge, La. |
| | WSMK | 1380 | Dayton, Ohio |
| 4:10-4:25 | WOMT | 1210 | Manitowoc, Wis. |
| | WTAI | 1310 | Tallahassee, Fla. |
| 4:15-4:30 | WNEL | 1290 | San Juan, P. R. |
| | WOSU | 570 | Columbus, Ohio |
| 4:20-4:35 | WDZ | 1020 | Tuscola, Ill. |
| | WMSD | 1420 | Muscle Shoals, Ala. |
| 4:25-4:40 | WGTM | 1310 | Wilson, N. C. |
| | WHBU | 1210 | Anderson, Ind. |
| 4:30-4:45 | WJBW | 1200 | New Orleans, La. |
| | WKBN | 570 | Youngstown, Ohio |
| 4:35-4:50 | WGPC | 1420 | Albany, Ga. |
| | WNAD | 1010 | Norman, Okla. |
| | WXYZ | 1240 | Detroit, Mich. |
| 4:40-4:55 | KOVC | 1500 | Valley City, N. D. |
| | WTAX | 1210 | Springfield, Ill. |
| | WTJS | 1310 | Jackson, Tenn. |
| 4:45-5:00 | KLCN | 1290 | Blytheville, Ark. |
| | WMBR | 1370 | Jacksonville, Fla. |
| | WMPC | 1200 | Lapeer, Mich. |
| 4:50-5:05 | KGCA | 1270 | Decorah, Iowa |
| 4:55-5:10 | KOCA | 1210 | Kilgore, Texas |
| | KVOL | 1310 | Lafayette, La. |
| 5:00-5:15 | KBIX | 1500 | Muskogee, Okla. |
| | WBNO | 1200 | New Orleans, La. |
| 5:05-5:20 | KPAC | 1260 | Port Arthur, Tex. |
| 5:10-5:25 | KANS | 1210 | Wichita, Kans. |
| | WROL | 1310 | Knoxville, Tenn. |
| 5:15-5:30 | KMLB | 1200 | Monroe, La. |
| | KTRH | 1290 | Houston, Texas |
| 5:20-5:35 | KLPM | 1240 | Minot, N. D. |
| 5:25-5:40 | KVSO | 1210 | Ardmore, Okla. |
| 5:30-5:45 | KWLC | 1270 | Decorah, Iowa |
| 5:35-5:50 | KTSM | 1310 | El Paso, Texas |
| 5:40-5:55 | KWTV | 1210 | Watertown, S. D. |
| 5:45-6:00 | WLB | 1250 | Minneapolis, Minn. |
| 5:50-6:05 | KOBH | 1370 | Rapid City, S. D. |
| 5:55-6:10 | KPFA | 1210 | Helena, Mont. |
| 6:00-6:15 | KIT | 1250 | Yakima, Wash. |
| 6:05-6:20 | KGBU | 900 | Ketchikan, Alaska |
| 6:10-6:25 | KIJI | 1210 | Klamath Falls, Ore. |
| 6:15-6:30 | KGEZ | 1310 | Kalispell, Mont. |
| 6:20-6:35 | KGVO | 1260 | Missoula, Mont. |
| 6:25-6:40 | KGY | 1210 | Olympia, Wash. |
| 6:30-6:45 | KXRO | 1310 | Aberdeen, Wash. |
| 6:35-6:50 | KGCX | 1450 | Wolf Point, Mont. |
| 6:40-6:55 | KFIO | 1120 | Spokane, Wash. |
| 6:45-7:00 | KINY | 1310 | Juneau, Alaska |
| 6:50-7:05 | KPQD | 780 | Anenorage, Alaska |
| 6:55-7:10 | KR1C | 1390 | Lewiston, Idaho |



THE more critical requirements of television reception are being met by two cathode-ray tubes recently developed and now made available by Allen B. DuMont Laboratories, Inc., of Upper Montclair, N. J. The Type 54-10-T has a 5-inch diameter screen and a maximum third anode voltage rating of 3000. The Type 144-10-T has a 6000-volt rating and a twelve-inch diameter screen.

On January 30, WBRE in Wilkes-Barre, Pa., became an NBC outlet, optional to either the Red or the Blue Networks. This brings the total of NBC stations up to 144. WBRE, owned by Louis G. Baltimore, transmits on 1310 kcs with 100 watts. The new 180 foot vertical antenna is already in operation, and it is expected a new 250 watt RCA transmitter will be installed in the spring. WBRE has been on the air since 1927.

Both of these tubes employ a unique design which prevents defocusing of the spot when the video signal modulates the tube. This has heretofore been one of the difficulties with television reception, because when the cathode-ray tube was adjusted to give a sharp line at a certain value of signal, it blurred at other signal values. With these new DuMont television reception tubes a sharp focus is maintained at all values of applied video signal, giving a clearer-cut televi-

sion picture than it has been possible to obtain with any of the tubes available until now.

The standard screen provides a pleasing green light. Tubes are available on special order, however, with a white screen giving a black-and-white picture.

Both tubes mentioned employ electrostatic focusing and deflection. Electrostatic focusing is believed by the DuMont engineers to be more practical than electromagnetic, since the latter requires an extremely constant current supply so that even the slightest line-voltage fluctuations can spoil the focus of the television picture. Also, electrostatic deflection is considered superior to electromagnetic because it is necessary to introduce distortion into an electromagnetic deflection circuit to compensate for the inductance of the magnetic deflecting coils. Also, electromagnetic deflection requires the use of an iron core coupling transformer with a flat frequency characteristic to about 160 kc between the deflection amplifier and the deflection coils. This is necessarily expensive, while, the electrostatic deflection circuits are relatively simple.

Richard Crooks, Voice of Firestone tenor, never borrowed so much as a cent to help pay for his education. When his voice had already attracted attention, one of the great conductors offered, with the aid of a wealthy friend, to have Crooks supplied with \$10,000 to complete his studies abroad. Despite the fact he had just been married and was making ends meet on \$25 a week, he turned the offer down. He determined that whatever he was to have, he must earn himself. And he has never swerved from that resolution.

Special DX Calendar

The time given in the DX Calendar is in EST by the 24-hour clock.

DX Tips Periods

- Mon., 0300-0315, KMTR, 570 kcs.
1100-1115, WEEU, 830 kcs.
2115-2130, CJCJ, 690 kcs.
- Mon., 2115-2130, CJCJ, 690 kcs.
- Tues., 1835-1900, W2XAF, 9530 kcs.,
and W2XAD, 15330 kcs.
- Wed., 0035-0045, KOY, 1390 kcs.
1345-1400, WTAR, 780 kcs.
- Thurs., 0230-0245, KGMB, 1320 kcs.
2215-2230, W8XWJ, 41,000 kcs.
"The SWL Chatterbox."
- Fri., 2330-2345, W8XK, 6140, and
KDKA, 980 kcs.
- Sat., 0230-0245, KLS, 1280 kcs.
0300-0345, KDB, 1500 kcs.
1030-1045, WEEU, 830 kcs.

Special Broadcasts

- March 20, 0700-0730, 4IP, Ipswich,
Australia, 1440 kcs. (UDXC).
- March 22, 0200-0500, KGKB, Tyler,
Texas, 1500 kcs.
- March 27, 0300-0400, KFOR, 1210 kcs.
(IDA)
- April 2, 0245-0400, CHWK, Chilla-
wack, B. C., 780 kcs. (UDXC).
- Apr. 3, 0200-0300, KIDO, Boise, Idaho,
1350 kcs. (BBDXC)
- May 7, 0245-0400, CHWK, Chilliwack,
B. C., 780 kcs. (UDXC).
- June 4, 0245-0400, CHWK, Chilli-
wack, B. C., 780 kcs. (UDXC)

SPECIAL

A special program will be broadcast for the IDA and the CDXR on April 24, from station 3AK, Melbourne, Australia. The station will come on the air at 6:45 am, EST, and will call the clubs at 7:00 am, at 7:15 and at 7:30 am, EST. Station 3AK, known as the "Voice of the Night," transmits on 1500 kcs with 250 watts power. Address Mr. G. D. Hutchins, 10 Ordnance Quarters, Maribyrnong, W3, Vic., Australia.

The MONTH'S CHANGES in STATION DATA

This information is compiled just before we go to press, after the forms for most of the other pages are closed. Some very recent changes, received too late to index in this issue, are included here, and will be incorporated next month in our main indices.

| NEW | | |
|-------|--------------|--|
| 940 | 4QR | Brisbane, Qsld. 500 w. |
| 990 | 2YD | Wellington, N. Z. National Brdstg. Sys. |
| 1010 | XEFAQ | Cananea, Son. Pedro L. Diaz, Av. Sonora 97 |
| 1040 | H3ABZ | Bogota, Colombia. |
| 1130 | HJ7ABD | Bucaramanga, Colombia. |
| 1150 | XEBP | Durango, Dgo. Manuel Cano M., Pino Suarez 412 |
| 1160 | NEFM | Leon, Gto. Raul Ortiz G., Aquiles Serdan 7. |
| 1200 | NEBU | Chihuahua, Chih. Feliciano Lopez Islas, Aptdo. 157. |
| 1250 | NEAI | Mexico City, D. F. Carmen Gutierrez, Bahía de Santa Barbara 114. |
| 1340 | NEDH | Villa Acuna, Coah. Vicente Hernandez, Galeana y B. Dominguez |
| 1420 | ..... | Beaumont, Tex. Beaumont Brdstg. Assn. |
| 1500 | KYSM WGIL | Mankato, Minn. F. B. Clement & Co. Galesburg, Ill. Galesburg Brdstg. Co. |
| ..... | ..... | Laredo, Texas. Mervel M. Valentine |

| FREQUENCY | | |
|-----------|------|----------------------------------|
| 580 | XELO | Tijuana, B. Cfa., from 670 |
| 600 | NET | Monterrey, N. L., from 690 |
| 610 | NEXM | Mexico City, D. F., from 1280 |
| ..... | XEYO | Mexico City, D. F., from 940 |
| 780 | 2KA | Katoomba, NSW., from 1160 |
| 810 | NEBZ | Mexico City, D. F., from 1160 |
| 890 | NEK | Mexico City, D. F., from 990 |
| 1070 | IZB | Auckland, N. Z., from 1090 |
| 1080 | NEBK | Nuevo Laredo, Tams., from 1000 |
| 1130 | NEJP | Mexico City, D. F., from 1120 |
| ..... | 2ZB | Wellington, N. Z., from 1120 |
| 1230 | NEG | Monterrey, N. L., from 1220 |
| 1310 | NEXS | Mexico City, D. F., from 1000 |
| 1340 | XEAP | Obregon, Son., from 1240 |
| ..... | NEBS | Mexico City, D. F., from 1240 |
| 1520 | TGW | Guatemala City, Guat., from 1230 |

| POWER | | |
|-------|-------|-----------------------------------|
| 580 | NEMU | Piedras Negras, Coah. 250 w. |
| 713 | No. 1 | Rome, Italy, 100,000 from 50,000 |
| 850 | KPOF | Denver, Colo. 1000 from 500 |
| 980 | XEPE | Nuevo Laredo, Tams., 250 from 150 |
| 1080 | XEPK | Nuevo Laredo, Tams., 100 from 60 |
| 1160 | XEAS | Saltillo, Coah., 100 from 50 |

| NETWORK | | |
|--------------|------|-------------------------------|
| 1030 | CKLW | Windsor, Ont., new CHC |
| CALL LETTERS | | |
| 680 | 4YZ | Invercargill, N. Z., from 4AP |
| 920 | 2YN | Nelson, N. Z., from 2ZR |
| 1310 | WKOC | Poplar Bluff, Mo., from KPBM |

| REINSTATED | | |
|------------|------|-----------------------|
| 920 | WRAX | Philadelphia, Pa. |
| DELETE | | |
| 600 | CBW | Windsor, Ont. |
| 670 | NERO | Chapultepec, D. F. |
| 810 | XEXC | Aguascalientes, Ags. |
| 960 | 2ZF | Palmerston, N. Z. |
| 1060 | NEAD | Guadalajara, Jal. |
| ..... | NEMG | Atzacapotzalco, D. F. |
| 1100 | NECL | Mexicali, B. Cta. |
| 1160 | NEBJ | Merida, Yuc. |
| 1230 | NEFJ | Monterrey, N. L. |
| 1240 | NEAY | Mexico City, D. F. |

| 1310 | NECW | Mexico City, D. F. |
|-------|------|---|
| 1400 | 2ZO | Palmerston, N. Z. |
| 1470 | 3ZM | Christchurch, N. Z. |
| OWNER | | |
| 980 | XEAC | Jorge I. Rivera, Av. Mexico 12, Tijuana, B. Cfa. |
| 1000 | XEBI | Pedro C. Rivas, Primo Verdad 14, Aguascalientes, Ags. |
| 1020 | XEJ | Pedro Meneses, Jr., Av. Lerdo 309, Juarez, Chih. |
| 1080 | XEBK | G. Guajardo y M. M. Cortes, Bravo y Guerrero, Nuevo Laredo, Tams. |
| 1200 | WRBL | Columbus Brdstg. Co., Inc., Royal Theater Bldg., Columbus, Ga. |
| 1210 | NEFV | Dario Cordoba, Juarez, Chih. |
| 1220 | XEDA | Pedro Riestra Diaz, Ixtlachuatl 5, Gral. Anaya, D. F. |
| 1240 | NEKL | Hemmer y Romero S. de R. L., Madero 18, Leon, Gto. |
| 1310 | NETB | Aurelio G. Zaragoza, Morelos 5060 Pte., Torreón, Coah. |
| 1370 | XELZ | Maria Gardena de Zetina, Mexico City, D. F. |
| 1500 | WRTD | State Planters Bank Bldg., Richmond, Va. |



A busy lady is Eileen Maher, NBC dramatic actress, who does a bit of fashion modeling when she is not acting. The rest of her time is spent in commuting between her Long Island home and New York City.

PERMIT TO CHANGE FREQUENCY

- 980 XEFE Nuevo Leon, Tams.
- 1190 WATR Waterbury, Conn., to 1290
- 1240 KLPN Minot, N. Dak., to 1360
- 1250 WCAL Northfield, Minn., to 760
- WLB Minneapolis, Minn., to 760
- 1310 KINY Juneau, Alaska, to 1430
- WOL Washington, D. C., to 1230
- 1420 KABR Aberdeen, S. Dak., to 1390

PERMIT TO CHANGE POWER

- 570 CMCY Havana, Cuba, to 10000
- KGKO Wichita Falls, Tex., to 1000
- 590 WKZO Kalamazoo, Mich., to 250 (1).
- 760 KXA Seattle, Wash., to 1000
- 810 CMCY Havana, Cuba, to 5000
- 850 WWL New Orleans, La., to 50000
- 880 CMW Havana, Cuba, to 5000
- WCOC Miridian, Miss., to 1000
- 890 KFNF Shenandoah, Iowa, to 1000 (5)
- 900 KGBU Ketchikan, Alaska, to 1000
- 920 CMX Havana, Cuba, to 10000
- 950 WRC Washington, D. C., to 1000 (5)
- 1000 CMBZ Havana, Cuba, to 5000
- 1110 CMCJ Havana, Cuba, to 5000
- KSOO Sioux Falls, S. Dak., to 5000
- 1170 CMBS Havana, Cuba, to 5000
- 1190 WATR Waterbury, Conn., to 250
- 1240 KLPN Minot, N. Dak., to 500 (1)
- 1250 WCAL Northfield, Minn., to 5000
- WLB Minneapolis, Minn., to 5000
- 1260 CMBD Havana, Cuba, to 5000
- 1300 KALE Portland, Ore., to 1000
- 1310 KINY Juneau, Alaska, to 250
- WOL Washington, D. C., to 1000
- 1340 WCOA Pensacola, Fla., to 1000
- 1350 CMCA Havana, Cuba, to 5000
- 1420 KABR Aberdeen, S. Dak., to 500 (1)
- 1430 WBNS Columbus, Ohio, to 1000 (5)
- 1490 KFBE Sacramento, Calif., to 10000

PERMIT TO CHANGE LOCATION

- 1570 KGKO Wichita Falls to Ft. Worth, Texas
- 500 WKBB E. Dubuque, Ill., to Dubuque, Iowa



The spot temporarily vacated by Nelson Eddy on the Chase and Sanborn Hour has been filled by 25-year old John Carter. This is the first regular radio program for this young tenor.

Amateur CALLS HEARD

The names and addresses of persons reporting stations shown in this list are indicated by small letters following the call signs. Key to the small letters is given at the end of the column.

Canadian and United States calls heard are listed here only when reported by listeners not resident in North America. Cuban calls are not listed when heard by listeners in United States or Cuba.

28 Megacycles—10 Meters

- EI2L (a); GM6IR (p); GM6RG (a); G-: 2AI (a); 2VG (a); 5VM (a); 6AG (a); 6LC (a); 6LK (a); 6PC (a); 6VX (a); 8GX (a); 8WX (a); HI7G (p); K4-: EMG (a); EPO (p); EZR (p); SA (p); K6-: JLV (p); LCV (a); MVV (ap); OGS (p); OQE (a); OQM (ap); PCF (a); PIR (a); TG9AA (a); TI2FG (a); VK2JU (a); XE1GE (ap); YV6AL (a); ZL3DJ (a).

14 Megacycles—20 Meters

- CE-: 1AI (p); 1AO (l); 2BR (lq); 3AA (op); 3AI (al); 3CO (lp); CN-: 8AM (o);

- 8AV (imo); CP1AA (d); CT1QG (d); CT1QP (n); CX1DSR (m); CX2ABA (m).

E-F

- EA9AH (b); EI-: 2J (d); 2L (i); 4L (b); ES5D (n); FR8VX (n); FY8E (n); F8-: MG (d); QD (n); TQ (i).

G

- GI-: 2CC (d); 2CE (m); 6XS (bd); GM-: 2UU (g); 5NW (n); G-: 2XJ (m); 5JO (di); 5LU (d); 5ML (bdn); 5JF (d); 6LK (l); 6WO (d); 8LP (d).

H

- HC-: 1JB (bcgk); 1XU (m); HH-: 2B (abefghimop); 2FX (b); 2G (q); 2X (a); 4AS (p); 5PA (abefghjmnpp); 5Q (m); HI-: 1C (abn); 2K (n); 2W (abf); 3C (p); 3N (abgjnno); 4F (n); 5X (abemppq); 60 (a); 7G (abn); 7I (agmq); 9I (an); HJ-: 1BT (m); 1GC (m); HK-: 1DG (g); 1GK (h); 1JC (abh); 1JN (a); 1JO (g); 1K (m); 1PA (ab); 3JA (bnp); 3JB (a); 4AG (b); 4EA (g); 5AR (a); 5DB (a); 5OBC (p); HO2U (n); HP1A (bhn); HR5C (n).

K

- KA1BH (n); KA1ME (a); K2BR (n); K4-: DDH (abn); EIL (p); EJF (bcghjmnop); EMY (o); ENT (bgp); ENY (agn); FAY (abgjn); K6-: BAZ (dl); BHL (ln); BJJ (i); BMC (l); BNR (ablnp); CMC (fln); GAG (i); GAS (bj); GCQ (d); GGF (lp); JLV (l); KF (l); KGA (l); KMP (l); MBB (l); MTE (l); NZQ (ablnp); OQE (bm); PMP (j); K7FBE (d); K7PQ (n).

L

- LU-: 1DA (abghp); 1DJ (aef); 1JC (a); 2BG (a); 2CA (r); 4AD (p); 4BH (abgp);

4CZ (alo); 4KA (b); 5CK (m); 5CZ (gilp); 6KE (a); 7AC (b); 7AZ (lq); 9BB (e); LY1P (n).

N-O-P

NY2AE (bino); OA-: 1RX (k); 4AF (a); 4AL (bdop); 4C (n); 4R (ab); OQ5AA (bno); OQ5AE (n); OX2QY (ainp); PAOGN (n); PAOUN (n); PY-: 1CK (a); 1MK (g); 2AC (n); 2AI (g); 2GJ (a); 2HA (b); 8AG (q).

S-T

SU1KG (a); SV1KE (d); TG-: 1AX (g); 1AY (m); TL-: 2AV (ae); 2HB (c); 2KP (h); 2RC (ab); 3WD (aq).

V

VK-: 1KE (i); 2ADE (d); 2ADO (l); 2AFO (l); 2TC (n); 2UC (ak); 3AZ (d); 3BZ (a); 3GQ (dn); 3KX (n); 3MR (a); 3TW (a); 4EC (e); 4JU (ae); 4VD (n); 7CL (a); 7JB (n); VO-: 1I (b); 1Y (d); 2N (e); 2Z (f); 4A (j); 6D (bcdg); 6J (boq); 6P (o); VP-: 2AT (n); 2DA (bn); 2TG (b); 3BG (d); 3THE (abdfnp); 4TC (d); 4TH (n); 5AS (d); 5GM (a); 5PM (n); 6MR (bgop); 6NW (o); 6PR (df); 6YB (fhnp); 7NA (m); 9G (mno); 9R (bgmn).

W

W-: 1AVK (i); 3FAM (i); 3GS (i); 5CFK (i); 7BVO (i); 8AAJ (i); 9TQ (i); 10XAB (p).

X-Y-Z

XE-: 1BC (h); 1DT (ab); 1F (ab); 1FF (ab); 1FG (a); 1LK (aq); 2CY (b); 2E (h); 2FC (a); 2HD (ab); 2HO (p); 2IY (abq); 2JK (a); 2RY (p); XWJJ (m); YL2BB (n); YV-: 1AA (m); 1ABY (b); 1AC (b); 1AG (g); 1AP (ab); 1AQ (ghmp); 1LC (h); 3AN (n); 4AA (a); 4AB (abgn); 4AM (b); 4AV (i); 4AX (b); 5ABA (bn); 5ABD (b); 5ABF (abgp); 5ABM (o); 5ABG (an); 5ABY (abghinop); 5AC (p); 5AD (m); 5AE (hn); 5AJ (m); 5AK (abg); 5AN (ablp); 5AV (a); 5AX (h); 5AZ (beatop); ZELJR (i); ZE2HD (f); ZS-: 2N (bf); 3F (b); 6AJ (b); ZTIM (bi); ZT1R (o); ZT6P (d); ZU5L (o); ZU6P (g); ZU6T (b); ZU9BH (m).

The Reporters

- (a) Al Bettinger, 2465 N. 47th Ave., Omaha, Neb.
(b) Gail Beyer, 3226 Sunnyside Ave.,

- Chicago, Ill.
(c) L. S. Broussard, Box 2283, Beaumont, Texas.
(d) Edwin Eaton, 36 Center St., Wethersfield, Conn.
(e) Ben Follrath, 1419 Pearl St., Alameda, Calif.
(f) Russell Geiger, Youngstown, Ohio.
(g) Gil Harris, N. Adams, Mass.
(h) Henry Hendrickson, Jr., Route 1, McGregor, Iowa.
(i) Walter Th. Kamman, Box 1891, Caracas, Venezuela.
(j) Geo. Kline, Jr., 230 Chatham St., Williamsport, Pa.
(k) C. R. Martin, 316 Tenth St., Elyria, Ohio.
(l) F. McDonald, 215 E. 34th St., Tucson, Ariz.
(m) Kenneth Morey, 14 Lawndale St., Easthampton, Mass.
(n) Jack Quintrell, 445 Carmody Road, Seat Pleasant, Md.
(o) Edward Sherman, Jr., 91 Grove St., No. Attleboro, Mass.
(p) Bob Taglauer, 223 Orchard Road, Ft. Mitchell, Covington, Ky.
(q) Jack Welsh, Kingston, Ill.
(r) Hadley Wilcox, 623 W. 40th Place, Los Angeles, Calif.

Across the EDITOR'S Desk

SO YOU like to read the Editor's mail! Last month we let you read some of the letters that passed over this desk, and your comments on this idea pleased us so much that we are going to let you read some of this month's correspondence.

Alan Hutchison of Dunedin, New Zealand, one of our correspondents in that country who keeps us constantly informed on New Zealand radio doings, submits a report on general reception. He writes, "When compared with the high totals run up in the States my log appears as a midget, but reception conditions are totally different down here. We have around 130 stations in our part of the world and have to pull the Americans through in the early evening or after the Australians have signed off between midnight and 2 am. My verified log stands at 440, with prospects of reaching 500 early this year, my fifth year of DXing.

TIME CONVERTER

The RADEX Map of the World with Time Converting Dial is the most useful accessory any radio fan could have around. Just a twirl of the dial shows the correct time at any location in the world. No calculation is necessary; the dial does all the work.

You Can't Get Along
Without It.

The price is only

25c

(26c in Ohio)

The log includes 250 stations located in North America, 30 of them being 100-watters; ten South Americans and a number of Easterns and Europeans. Considered as 'good catches' are TGW, KZIB in Manila, WQXR and CE76. Recent loggings include WMBR, KPQ, KSAL, KTEM, KFJZ, WWSW, WRAK and KAND on FCC Checks."

Mr. Hutchison says he would be pleased to correspond with DXers in America to exchange experiences and information. His address is 15 Embo St., Dunedin, SW1, New Zealand.

Those DXers who are interested in learning the Morse code are invited to tune in WRTD in Richmond, Va. at 6:45 pm. EST. on Thursdays. The Morse code is not hard to learn. You can learn all the characters in half an hour, but after that you need practice . . . lots of it. The commercial stations send too fast and the amateur bands are too confusing to the tyro, so stations like WRTD should be publicly thanked for putting on slow transmissions for the benefit of beginners. WRTD works on 1500 kcs. with 100 watts.

New Stations

We have just completed an agreement with Alfonso Velasco of Mexico City which will assure us of constant and accurate information on shortwave stations in Central and South America. We were also fortunate this month in making a similar arrangement with Pedro Casas of Montevideo, Uruguay. Uruguayan station information submitted by Sr. Casas appears in the regular shortwave column, but Sr. Velasco's contribution was received a little too late to properly classify in that section of RADEX.

New stations reported by Sr. Velasco are:

VUD2, Delhi, India, 9590 kcs., heard daily at 9:30 pm. and fades out near 10:45 EST.



One of the catch phrases of the world today. "How to Win Friends and Influence People," is the title Dale Carnegie brought over from his publisher's office and bestowed upon his radio program. These interesting programs are broadcast every Tuesday at 10:45 pm EST over the NBC-Red.

HC1GQ, Nariz del Diablo, Ecuador, 9180 kcs., heard on Mondays, Wednesdays and Saturdays from 9 to 10:30 pm. EST.

HC1RB, Quito, Ecuador, 7870 kcs., daily from 8:30 to 11:30 pm.

HIG, Trujillo, Dominican Republic, 9290 kcs., daily from 2 to 9 pm.

HJ4ABU, Medellin, Colombia, 8640 kcs., heard testing at night.

TGQA, Quezaltenango, Guatemala, 6420 kcs., on irregular nights from 8 to 10 pm.

"Radio Fort de France," Martinique, on 9350 kcs., daily from 8 to 9 pm. This station is not to be confused with "Radio Martinique," which is on 9690-9730 kcs.

XETA, Monterrey, N. L., Mexico, 11765 kcs., daily 3 to 3:30 pm.

TG25, a mobile station in Guatemala, 5770 kcs., heard irregularly at night.

The Mexican shortwave stations which are in actual use at the present time are:

XEBT 6000 Mexico City, D. F.
XEUW 6022 Veracruz, Ver.
XETW 6045 Tampico, Tams.
XECU 6085 Guadalajara, Jal.
XEBF 6090 Jalapa, Ver.
XEUZ 6115 Mexico City, D. F.
XEXA 6170 Mexico City, D. F.
XECR 7380 Mexico City, D. F.
XEWV 9500 Mexico City, D. F.
XEDQ 9520 Guadalajara, Jal.
XEFT 9550 Veracruz, Ver.
XETA 11760 Monterrey, N. L.
XEBR 11820 Hermosillo, Son.
XEWI 11900 Mexico City, D. F.

There is also station XBA which gives only time signals and weather reports, and the bootleg station on 7090, "Radio del Pueblo" at Guadalajara, which will soon be closed down, according to reports.

First Reports

The first American report on HC1GQ comes from Gilbert Harris of North Adams, Mass. He gives the frequency as 9175, and the address as P. O. Box 159, and says that sometimes it is heard as late as 11 or 11:15 pm. Gilbert also reports that PSH has extended its schedule, broadcasting now from 6 to 9 pm. EST. PSH, Rio de Janeiro, transmits on 10220 kcs.

The first of our countrymen (and women) to report TGQA proves to be that famous DXing Duo, Carl and Ann Eder of Willmar, Minn. They give the frequency as 6440 kcs., and say that letters should be addressed in care of the Director General of Electrical Communications at Guatemala City.

Carl and Ann also report HC1CQ, and inasmuch as they give the frequency as 9170, we wonder if this cannot be HC1GQ. The station they heard signed off at 10.45 pm. (CST?) with the Blue Danube Waltz.

And Visitors

If you enjoy reading the editor's

mail we are sure you would enjoy even more visiting with the editor's visitors. People like Helen Lind, Mary Eleanor O'Neill, Rev. Frank Nelson, Jack Siringer and Jack Gardner. They help to make our pleasant work even more enjoyable, and they assist us materially with their fine reports.

The ladies seem to like Sr. Cespedes of TI4NRH. They both report this popular Costa Rican station on 9670 kcs., and last Saturday night Miss O'Neill was thrilled to hear her letter acknowledged over the air. This station opens and closes its transmissions with "The Parade of the Wooden Soldiers," and the announcements, in English and Spanish, are perfectly spoken. Sr. Cespedes is truly the paragon of radio announcers, with his slowly spoken, clearly enunciated words and phrases. Try for him! If you live within 10,000 miles of Costa Rica, you can hear him. Then write to him, and receive his attractive four-color diploma. Address Sr. Amando Cespedes Marin, Apartado 40, Heredia, Costa Rica.

Rev. Nelson, who does a bit of broadcasting on the side, looked in on the facsimile equipment which WHK is installing. He is very enthusiastic about it, and has asked for one of the fifty experimental receivers which will be installed in the Cleveland area. The FCC requires that every facsimile licensee must have at least fifty receivers within its service area, and we hope that Rev. Nelson will be successful in getting one. These receivers, which will cost about \$125, can be attached to a regular broadcast receiver, and automatically reproduce permanent pictures or text matter broadcast by the station.

DX Clubs

A few weeks ago Herbert Tucker of Akron, Ohio, had a get-together meeting at his home, for the pur-

pose of forming a Northern Ohio Chapter of the IDA. A few of us went over and spent an enjoyable Sunday afternoon swapping DX reminiscences and looking over verifications. Herbert Tucker was elected president of the Chapter, and the other officers will be selected at the next meeting, which will be held at the home of Jack Gardner, in Cleveland.

Alfred J. Stansfield, president of the Universal DX Club, requests us to announce that the Editorial Headquarters of the Universal DX Club are at 130-30—90th Ave., Richmond Hill, N. Y., but the business headquarters are still at Oradell, N. J. Applications for membership and requests for sample bulletins should therefore be addressed to Oradell, and reports for inclusion in the bulletins, to Richmond Hill.

An SWL card contest is announced by the Before Breakfast DX Club of Beverly Hills, Calif. Stanley La Rue, president, says this contest is open to everyone, regardless of club affiliations, and the contest is so easy that everyone should try it. Any shortwave listener who wishes to enter simply has to count the number of foreign countries represented among his SWL cards, and submit the number to the Club. The address of the Club is 309 S. Bedford Drive, Beverly Hills. Here are the rules:

1. Only the number of countries represented in your own personal collection of cards is to be entered.
2. You do not have to submit the cards, but you must be prepared to submit the cards for examination when requested.
3. All entries must be mailed on or before midnight, July 15, 1938.
4. BBDXC members may submit their entries without paying a fee since they receive the bulletins regularly. Non-members, however, are requested to submit a fee of ten cents, which will entitle them to receive the several

lists which will be issued during the contest, showing the standings of all the contestants. Stamps from foreign countries equal in value to United States ten cents will be accepted. The prizes, all of them worth while, are a 5-tube Knight receiver, an RCA doublet antenna, or a choice of a beat oscillator, a spider-web antenna kit, or many others.

A New Note in Music

This is not on the subject of radio, but it is so interesting we thought we would pass it along. If you're the kind of a piano player the editor is, and have trouble with sharps and flats, you will welcome Symprovised music. It is not "simplified", but is presented just as the composer wrote it, but, with all the natural notes printed in black, and all the flats printed in red. It is so easy to play you'll wonder why no one thought of it before. What is more, the entire composition appears on three inner folds and may be played without turning a page, and, the notes high above or way below the staff are lettered so you don't have to stop and count the leger lines. You will be seeing a lot of Symprovised music soon.

Our Shortwave List

The index of shortwave stations which starts on the opposite page lists the police and emergency stations of North America, along with Coast Guard stations, Alaskan 'phones, ships and lighthouses. The balance of the shortwave stations will be given in the May issue.

Worthy of special mention is the work of C. Roman, his father and his sister, of Chicago, for the immense amount of work they did on the lighthouses, forestry, airport and police stations. Martin Olthoff of Independence, Kans., also assisted materially with airport station data.

The SHORTWAVE STATIONS of the WORLD

Shortwave List Copyright 1938 by Page Taylor

In this index of the shortwave stations of the world, only stations which use voice are listed.

Frequencies are given in kilocycles per second. To change to megacycles, place a decimal point three digits to the left.

The studio locations are shown, and the location of the transmitter, when different from the studios, follows in parentheses.

Power is shown in watts, unless kilowatts (kw) is mentioned.

Following the power value, the symbols in parentheses indicate the type of station, as follows:

B—Broadcast
C—Commercial
Phone
CG—Coast Guard
E—Experimental

Em—Emergency
F—Forestry
LH—Lighthouse
P—Police
SS—Ship Phone

The word DRIFTS indicates that the station is in the habit of shifting from its assigned frequency.

Abbreviations for identification aids are—Int. (interval signal); s/o (sign-on or sign-off); Ann (announcements); Add (Address); Hrs (Hours).

Du—Dutch
Eng—English
Fr—French
Ger—German
It—Italian

Jap—Japanese
Port—Portuguese
Ru—Russian
Sp—Spanish

Unconfirmed stations, those under construction, and stations operating off their assigned frequencies, are given in *italics*.

*An asterisk indicates that the complete list of stations is given in another index.

| | | | | |
|------|---|-------------------------------------|---|----------------------------------|
| 1596 | WPGG (Temporary Frequency) Findlay, Ohio. 500 (P) | 1634 | KRNP Reno, Nev. 1 kw. (P) | |
| | WPGQ Columbus, Ohio. 400 (P) | | WPHE Indianapolis, Ind. 500. (P) | |
| | WBHC Massillon, Ohio. 400 (P) | | WPHS Chesterton, Ind. 60. (P) | |
| | WBHK Wilmington, Ohio. 400 (P) | | WPHU Jasper, Ind. 60. (P) | |
| | WBHT Cambridge, Ohio. 400 (P) | | WQFE Seymour, Ind. 60. (P) | |
| | WBPT Portable in Ohio. 100 (P) | | WQFW Columbia City, Ind. 60. (P) | |
| 1600 | VPC Midland, Jamaica. (P) | | WWSA Seaton, R. I. 250. (P) | |
| | VPH Kingston, Jamaica. (P) | | WSP1 Portable in Ind. 60. (P) | |
| 1606 | KIKP Ruby, Alaska. (C) | 1638 | * KASP Pan-American Airways | |
| 1610 | WQPC Chicago, Ill. 1 kw. (P) | 1642 | KRSD Little Rock, Ark. 1 kw. (P) | |
| | WQPD DuQuoin, Ill. 1 kw. (P) | | WRDH Houghton Hts., Mich. 1 kw. (P) | |
| | WQPF Effingham, Ill. 1 kw. (P) | | WRDP Paw Paw, Mich. 1 kw. (P) | |
| | WQPG Sterling, Ill. 1 kw. (P) | | WRDS E. Lansing, Mich. 1 kw. (P) | |
| | WQPM Macomb, Ill. 1 kw. (P) | 1646 | KALG Squaw Harbor, Alaska. (C) | |
| | WQPP Pontiac, Ill. 1 kw. (P) | | KALH Pt. Moller, Aaa. 100. Pacific American Fisheries, Inc. | |
| | WQPS Springfield, Ill. 1 kw. (P) | | KALI Lazy Bay, Aaa. 100. (C) P.A.F. | |
| 1620 | WQPX Portable in Ill. 500. (P) | | KALJ King Cove, Aaa. (C) | |
| 1622 | VAC Cape Lazo, B. C., Canada. 50. (C) | | KALL Nelson Lagoon, Aaa. 30. (C). P.A.F. | |
| | KAMH Chignik, Alaska. 30. (C). Alaska Packers Assn. | | KALQ Petersburg, Aaa. 30. (C). P.A.F. | |
| | KAMI Larson Bay, Aaa. 30. (C). A.P.A. | | KALU Naknek, Aaa. 30. (C) | |
| | KAMJ Chignik, Alaska. 30. (C). A.P.A. | | KIDB Kasau, Aaa. (C). P.A.F. | |
| | KAMK Becharof, Aaa. 30. (C). A.P.A. | | MOTORSHIP "Minniehaha" | |
| | KAML Naknek, Aaa. 30. (C). A.P.A. | | WOMX M/S "Empress" | |
| | KAMN Uyak Bay, Aaa. 30. (C). A.P.A. | | WOMY M/S "Glenwood" | |
| | KANL Red Bluff Bay, Aaa. 50. (C). Red Bluff Bay Fisheries, Inc. | | WOPE M/S "Admiralty" | |
| | KGXU Pt. Armstrong, Aaa. 10. (C). Buchan & Helmen Packing Co. | 1658 | KKFD Kensington Park, Calif. 50. (Fire) | |
| | KIKJ Kulu Island, Aaa. 10. (C). Storfold & Grondahl Packing Co. | | KNID Redwood Falls, Minn. 400. (P) | |
| | KIJO Pt. Herbert, Aaa. 10. (C). Pt. Herbert Packing Co. | | KSPT Pecos, Texas. 500. (P) | |
| | 1626 | KOSO Oklahoma City, Okla. 1 kw. (P) | | KSW Berkeley, Calif. 500. (P) |
| | KOSP Portable in Okla. (P) | | S. Schenectady, N. Y. 1 kw. (P) | |
| | KOSR Portable in Okla. 150. (P) | | WQFR Portable in N. Y. 250. (P) | |
| | KOSU Portable in Okla. (P) | | Contra Costa, Calif. 500. (P) | |
| | KOSW Portable in Okla. (P) | | Hayward, Calif. 500. (P) | |
| | KOSX Portable in Okla. (P) | | Port. An Alameda Co., Calif. 100. (P) | |
| | KOSY Portable in Okla. (P) | | 1660 | |
| | WPVV Charleston, W. Va. 1 kw. (P) | | KAJH Anchorage, Alaska. 200. (C) | |
| | WWTA St. Albans, Vt. 500. United States Bureau of Customs. | | Libby, McNeill & Libby. | |
| | 1630 | WEY Boston, Mass. 50. (Fire) | | KAMT Kenai, Aaa. 50. (C). L.M.L. |
| | WKDT Detroit, Mich. 50. (Fire) | | KNCE Ekuk, Bristol Bay, Aaa. 100. (C). L.M.L. | |
| | WNYF New York, N. Y. 500. NYC Fire Dept., Municipal Bldg. | | KNCF Eggek, Aaa. 100. (C). L.M.L. | |
| | | | KNGS Koglung, Aaa. 70. (C). L.M.L. | |
| | | | 1666 | |
| | | | WMP Frammingham, Mass. 1 kw. (P) | |
| | | | WPFL W. Bridgewater, Mass. 1 kw. (P) | |
| | | | WPEV Portable in Mass. 50. (P) | |
| | | | WPEW Northampton, Mass. 1 kw. (P) | |

| | | | | |
|------|-------|--|-------|---|
| | WSPN | Nantucket, Mass. 20. (P) | KGPR | Fort Worth, Tex. (P) |
| | WSPQ | Oak Bluffs, Mass. 20. (P) | KGZL | Shreveport, La. (P) |
| 1674 | KGHK | Palo Alto, Calif. 20. (P) | KGZQ | Waco, Texas. 50. (P) |
| | KGZT | Santa Cruz, Calif. 100. (P) | KGZY | San Bernardino, Calif. 50. (P) |
| | KHPA | Lees Summit, Mo. 1 kw. (P) | KHAA | Wahiawa, Hawaii. 50. (P) |
| | KHPB | Macon, Mo. 1 kw. (P) | KHAB | Kaneohe, Hawaii. 50. (P) |
| | KHPC | Kirkwood, Mo. 1 kw. (P) | KHAC | Pearl City, Hawaii. 50. (P) |
| | KHPD | Springfield, Mo. 1 kw. (P) | KHTP | Houston, Tex. 200. (P) |
| | KHPE | Poplar Bluff, Mo. 1 kw. (P) | KNFJ | Pomona, Calif. 50. (P) |
| | KHPF | Jefferson City, Mo. 1 kw. (P) | KNGE | Cleburne, Tex. 50. (P) |
| | KIUK | Jefferson City, Mo. 1 kw. (P) | KNGI. | Galveston, Tex. 50. (P) |
| | KSPH | Hillsborough, Calif. 25. (P) | KNGX | Los Angeles, Calif. (Portable) (P) |
| | KWCP | Watsonville, Calif. 50. (P) | KNHF | Denton, Tex. 50. (P) |
| | WAMF | Portable in Pa. 500. (P) | KPAT | Port Arthur, Tex. 60. (P) |
| | WPSP | Harrisburg, Pa. 1 kw. (P) | KSBC | San Bernardino, Calif. 500. (P) |
| 1682 | KACC | Fairfield, Iowa. 500. (P) | KVP | Dallas, Texas. 500. (P) |
| | KACD | Atlantic, Iowa. 500. (P) | VYR | Montreal, P. Q. 400. (P) |
| | KADJ | Sacramento, Calif. 1 kw. (P) | WAKF | Everett, Mass. 50. (P) |
| | KADK | Hilo, Hawaii. 500. (P) | WAKV | Fall River, Mass. 50. (P) |
| | KAPI | Grass Valley, Calif. 25. (P) | WMPB | Brockton, Mass. 50. (P) |
| | KGHO | Des Moines, Iowa. 1 kw. (P) | WMPH | Newport, R. I. 50. (P) |
| | KNFN | Cedar Falls, Iowa. 400. (P) | WMPN | Needham, Mass. 50. (P) |
| | KNFO | Storm Lake, Ia. 400. (P) | WNPR | Revere, Mass. 50. (P) |
| | KSCY | Yreka, Calif. 50 (P) | WPDB | Chicago, Ill. 500. (P) |
| | KSPR | Redding, Calif. 300. (P) | WPDC | Chicago, Ill. 500. (P) |
| 1690 | CJR | Belleville, Ont. (P) | WPDD | Chicago, Ill. 500. (P) |
| | VDM | Halifax, N. S. (P) | WPDU | Pittsburgh, Pa. 400. (P) |
| 1692 | WQFT | Portable in Ohio. 100. (P) | WPED | Arlington, Mass. (P) |
| 1698 | KNGG | Phoenix, Ariz. 1 kw. (P) | WPEH | Somerville, Mass. (P) |
| | WAKJ | Duval Co., Fla. 350. (P) | WPEI | E. Providence, R. I. (P) |
| | WAKR | Pensacola, Fla. 350. (P) | WPFA | Newton, Mass. 50. (P) |
| | WAKS | Orlando, Fla. 350. (P) | WPFN | Fairhaven, Mass. 100. (P) |
| | WAKT | Tampa, Fla. 350. (P) | WPGF | Providence, R. I. 150. (P) |
| | WAKU | Ft. Myers, Fla. 350. (P) | WPGU | Cohasset, Mass. 50. (P) |
| | WAKZ | W. Palm Beach, Fla. 250. (P) | WPGA | Boston, Mass. 500. (P) |
| | WDSP | New Castle, Del. (P) | WPHG | Medford, Mass. 50. (P) |
| | WEVN | Belair, Md. 250. (P) | WPIA | Warren, R. I. 40. (P) |
| | WIHWN | in Md. 250. (P) | WQFL | Oak Park, Ill. 40. (P) |
| | WMSC | Cumberland, Md. 250. (P) | WQFX | Waukegan, Ill. 100. (P) |
| | WMSE | Easton, Md. 250. (P) | ..... | Westport, Mass. 50. (P) |
| | WMSE | Frederick, Md. 250. (P) | | |
| | WMSH | Conowingo, Md. 250. (P) | 1715 | |
| | WMSR | Randallstown, Md. 250. (P) | to | AMATEURS |
| | WMSW | Waldorf, Md. 250. (P) | 2000 | |
|  | ..... | Hartford, Md. 250. (P) | 2000 | WUMS |
| 1706 | KGPC | St. Louis, Mo. (P) | 2110 | Proctorville, Ohio. 75. S. S. "Islamorada." (SS). S. S. "Bluffin." 50. (SS). State of Calif., Dept. of Natural Re- sources. |
| | KOHC | Station 6, Ore. (Em) | WPCK | S. S. "Aleksander I." 30. (SS). Pete Damaria |
| | KOHD | The Dalles, Ore. Station 10. (Em) | WPMS | S. S. "J. B. Edwards." 30. (SS). Ole J. Edwards |
| | KOHP | Portable, Station 8, Ore. (Em) | WPMP | S. S. "North Star." 50. (SS). Sam Lonero. |
| | KOHH | Port. in Ore. 10. (Em) | WPPC | S. S. "Albacore." 50. (SS). State of Calif. |
| | KOHI | Port., Station 12, Ore. 10. (Em) | WPPC | S. S. "Denthy." Fishing vessel; works WOU |
| | KOHJ | Port., Station 14, Ore. 10. (Em) | WQBM | S. S. "Islamorada." (SS). Used only near Miami. |
| | KOHK | Klamath Falls, Station 3, Ore. (Em) | ..... | Yacht "Mako." 100. (SS). Thorne Donnelley |
| | KOHL | Station 2, Ore. (Em) | 2118 | WOGK |
| | KOHM | Station 9, Ore. (Em) | KJJB | S. S. "Elizabeth River." 50 (SS). Phila. & Norfolk S. S. Co. |
| | KOHN | Bend, Station 4, Ore. 50. (P) | KJLY | S. S. "Hampton Roads." 50 (SS). P. & N. |
| | KOHO | Port. in Ore. 10. (P) | KMKH | Yacht "Samona." (SS). |
| | KOHP | Pendleton, Sta. 11, Ore. (Em) | WCEK | S. S. "Bluffin." 50. (SS). In vicinity of Seattle. State of Calif., Dept. of Natural Resources |
| | KOHR | Roseburg, Ore. Sta. 5. 50w. (Em) | WPMS | S. S. "Aleksander I." 30. (SS). Pete Damaria |
| | KOHS | Salem, Ore. 1 kw. (P) | WPMP | S. S. "J. B. Edwards." 30. (SS). Ole J. Edwards |
| | KOHU | Burns, Ore. 50. (P) | WPPC | S. S. "North Star." 50. (SS). Sam Lonero |
| | WANH | Raleigh, N. C. 1 kw. (P) | WQBM | S. S. "Albacore." 50.. (SS) State of Calif. |
| | WANI | Williamston, N. C. 1 kw. (P) | 2150 | ..... |
| | WANJ | Williamston, N. C. 1 kw. (P) | ..... | S. S. "Powhattan." Works WMI |
| | WANK | Salisbury, N. C. 1 kw. (P) | 2174 | HPAY |
| | WANL | Elizabethtown, N. C. 1 kw. (P) | | Yacht "Virginia." Works with |
| | WKDU | Cincinnati, Ohio. (P) | | |
| | WPET | Lexington, Ky. (P) | | |
| 1708 | CKT | Pendleton, B. C. (P) | | |
| | CZN | Cranbrook, B. C. (P) | | |
| 1710 | CZ6F | Hamilton, Ont. (P) | | |
| 1712 | COL2 | Havana, Cuba. (P) | | |
| | KACU | Longview, Texas. 500. (P) | | |
| | KADM | Gainesville, Texas. 50. (P) | | |
| | KADT | Marshall, Tex. 50. (P) | | |
| | KAPM | Walluku, Hawaii. 100. (P) | | |
| | KGHY | Whittier, Calif. 50. (P) | | |
| | KGJX | Pasadena, Calif. 400. (P) | | |
| | KGPJ | Beaumont, Tex. 100. (P) | | |
| | KGPL | Los Angeles, Calif. (P) | | |
| | KGPQ | Honolulu, Hawaii. 500. (P) | | |

| | | | | | | |
|------|--------------------------------------|--|-------|----------------------|------|-----|
| | KOU | | WPDA | Tulare, Calif. | 150. | (P) |
| KLQE | S. S. "Caroline." 50. (SS). | Jos. M. Schenck, 20th Century-Fox Films Corp., Beverly Hills, Calif. | WPDJ | Passaic, N. J. | (P) | |
| | KLWY | Yacht "Gipsy." To KOU | WPDY | Detroit, Mich. | 500. | (P) |
| KMKH | Yacht "Samona." To KOU | | WPFH | Baltimore, Md. | 200. | (P) |
| VGBQ | Yacht "Sevelyn." To KOU | | WPGH | Columbus, Ga. | 250. | (P) |
| WBDY | Yacht "Bolero II." To KOU | | WPGI | Albany, N. Y. | 300. | (P) |
| WCEK | S. S. "Bluffin." 50. State of Calif. | | WPGM | Utica, N. Y. | 100. | (P) |
| | WDFV | Yacht "Content" | WQFB | La Grange, Ga. | 50. | (P) |
| WJDM | Yacht "Sartarsia" | | WQFJ | Macon, Ga. | 250. | (P) |
| WKFK | Tug "Raona" | | WQFV | Oneonta, N. Y. | 50. | (P) |
| WKFM | Derrick Barge No. 4 | | KACA | Augusta, Ga. | 250. | (P) |
| WKFN | Tug "Sonoima" | | KACI | Atchison, Kans. | 50. | (P) |
| WOJB | Yacht "El Dorado" | | KADS | Eureka, Calif. | 100. | (P) |
| WOKQ | Yacht "The Chief" | | KAGD | Marysville, Calif. | 50. | (P) |
| WOLR | Yacht "Mariner" | | KASG | Woodland, Calif. | 25. | (P) |
| WPKS | S. S. "Aleksander I." 30.. (SS) | Pete Damaris | KGPE | Willows, Calif. | 50. | (P) |
| | WPMP | S. S. "J. B. Edwards." 30. (SS). Ole J. Edwards | KGPG | Kansas City, Mo. | 500. | (P) |
| | WPPC | S. S. "North Star." 50. (SS). | KGZC | Vallejo, Calif. | 50. | (P) |
| | WQBM | S. S. "Albacore." 50. (SS). State of Calif. | KNGF | Topeka, Kans. | 50. | (P) |
| 2198 | KMKE | S. S. "Islamorada." Used only near NYC. | KNGV | Sacramento, Calif. | 500. | (P) |
| | 2318 | CYQ | WMI | Salina, Kans. | 50. | (P) |
| | 2366 | CZ50 | WNFJ | Buffalo, N. Y. | 500. | (P) |
| | 2382 | WAKC | WPDF | Niagara Falls, N. Y. | 135. | (P) |
| | | KGHT | WPDW | Rochester, N. Y. | 200. | (P) |
| | | KGHV | WPFU | Washington, D. C. | 400. | (P) |
| | | KNFE | WPHB | Portland, Maine. | 100. | (P) |
| | | KNHB | 2430 | Nashua, N. H. | 50. | (P) |
| | | WAKE | KGFB | Minneapolis, Minn. | 500. | (P) |
| | | WASP | KGZJ | Phoenix, Ariz. | 100. | (P) |
| | | WMPE | KNGP | Shreveport, La. | 100. | (P) |
| | | WMPM | KNHG | Prescott, Ariz. | 100. | (P) |
| | | WPDN | WAKH | Bloomfield, N. J. | 50. | (P) |
| | | WPEA | WAME | Baton Rouge, La. | 50. | (P) |
| | | WPFM | WHPK | Baton Rouge, La. | 250. | (P) |
| | | WPGW | WCPD | Charleston, S. C. | 50. | (P) |
| 2390 | CGZ | Vancover, B. C. | WPTD | Columbus, Ohio. | 200. | (P) |
| | CJW | St. John, N. B. | WPDY | Dayton, Ohio. | 400. | (P) |
| | CJZ | Verdun, P. Q. | WPDZ | St. Paul, Minn. | 500. | (P) |
| 2396 | VYV | Winnipeg, Man. | WPEK | New Orleans, La. | 250. | (P) |
| 2406 | KGHZ | Little Rock, Ark. | WPEF | Highland Park, Ill. | (P) | |
| | KGFW | Salt Lake City, Utah. | WPFK | Hackensack, N. J. | 500. | (P) |
| | KNHE | Fort Smith, Ark. | WPCI | Portsmouth, Ohio. | 100. | (P) |
| 2414 | KACE | Olympia, Wash. | WPHO | Zanesville, Ohio. | 50. | (P) |
| | KACJ | Wenatchee, Wash. | WPRH | Rock Hill, S. C. | 50. | (P) |
| | KACK | Bellingham, Wash. | WQFO | Lancaster, Ohio. | 50. | (P) |
| | KACN | Ventura, Calif. | WSAG | Ashland, Ky. | 200. | (P) |
| | KACO | Tracy, Calif. | 2442 | Eugene, Ore. | 50. | (P) |
| | KACS | Bakersfield, Calif. | KADV | San Angelo, Tex. | 50. | (P) |
| | KACV | Walla Walla, Wash. | KASD | Austin, Tex. | 100. | (P) |
| | KADL | Port Orchard, Wash. | KGHU | Portland, Ore. | 500. | (P) |
| | KAPH | Stockton, Calif. | KGPN | Denver, Colo. | 400. | (P) |
| | KAPL | Hoquiam, Wash. | KGZH | Klamath Falls, Ore. | 25. | (P) |
| | KASE | Modesto, Calif. | KGZR | Salem, Ore. | 50. | (P) |
| | KASF | Bremerton, Wash. | KNHM | Fargo, N. Dak. | 100. | (P) |
| | KGHS | Spokane, Wash. | WAKO | Ft. Lauderdale, Fla. | 50. | (P) |
| | KGHW | Centralia, Wash. | WAMB | Connersville, Ind. | 40. | (P) |
| | KGPA | Seattle, Wash. | WAMG | Kalamazoo, Mich. | 100. | (P) |
| | KGPF | Santa Fe, N. Mex. | WASB | Elwood, Ind. | 50. | (P) |
| | KGPS | Bakersfield, Calif. | WBNC | New Castle, Ind. | 40. | (P) |
| | KCZA | Fresno, Calif. | WBPB | Bloomington, Ind. | 40. | (P) |
| | KCZM | El Paso, Tex. | WMDZ | Indianapolis, Ind. | 400. | (P) |
| | KCZN | Tacoma, Wash. | WMPI | Anderson, Ind. | 100. | (P) |
| | KCZO | Santa Barbara, Calif. | WPDE | Louisville, Ky. | 200. | (P) |
| | KCZV | Aberdeen, Wash. | WPDF | Flint, Mich. | 150. | (P) |
| | KCZX | Albuquerque, N. Mex. | WPDH | Richmond, Ind. | 100. | (P) |
| | KNFA | Clovis, N. Mex. | WPDL | Lausing, Mich. | 50. | (P) |
| | KNFI | Mt. Vernon, Wash. | WPFB | Grand Rapids, Mich. | 500. | (P) |
| | KNFP | Everett, Wash. | WPFS | Saginaw, Mich. | 100. | (P) |
| | KNGU | Yakima, Wash. | WFFC | Muskegon, Mich. | 50. | (P) |
| | KNGY | Lodi, Calif. | WFFE | Reading, Pa. | 100. | (P) |
| | KSOM | Merced, Calif. | WFFG | Jacksonville, Fla. | 400. | (P) |
| | WAKN | Herkimer, N. Y. | WFFT | Lakeland, Fla. | 50. | (P) |
| | WCK | Detroit, Mich. | WFFX | Palm Beach, Fla. | 50. | (P) |
| | WMO | Highland Park, Mich. | WPFY | Yonkers, N. Y. | 400. | (P) |
| | WMPF | Waycross, Ga. | WPFZ | Miami, Fla. | 500. | (P) |
| | | | WPGL | Binghamton, N. Y. | 400. | (P) |
| | | | WPGP | Muncie, Ind. | 100. | (P) |
| | | | WPHM | Orlando, Fla. | 500. | (P) |
| | | | WQFM | Wilkes-Barre, Pa. | 100. | (P) |
|  |  |  | ..... | Miami, Fla. | 40. | (P) |
|  |  |  | ..... | York, Pa. | 40. | (P) |

| | | | | | | | | |
|------|-------|-----------------------|------|-----|------|----------------------|-------------------------------|---------------|
| 2450 | KACF | Chickasha, Okla. | 100. | (P) | WRDR | Grosse Pointe, Mich. | 350. | (P) |
| | KACL | Altus, Okla. | 50. | (P) | 2474 | KGHV | Las Vegas, Nev. | 50. |
| | KACP | Ponca City, Okla. | 50. | (P) | | KGHM | Reno, Nev. | 50. |
| | KACR | Seminole, Okla. | 50. | (P) | | KNFH | Garden City, Kans. | 50. |
| | KADG | Tulsa, Okla. | 40. | (P) | | KNGH | Dodge City, Kans. | 50. |
| | KADH | Mangum, Okla. | 50. | (P) | | WAKI | Sandusky, Ohio. | 50. |
| | KADQ | Hilo, Hawaii. | 100. | (P) | | WAMH | Shelby, Ohio. | 25. |
| | KAPB | Cushing, Okla. | 50. | (P) | | WKMP | Kenton, Ohio. | 50. |
| | KAPC | Drumright, Okla. | 50. | (P) | | WMPK | Fremont, Ohio. | 100. |
| | KAPD | Eldorado, Kans. | 50. | (P) | | WPDP | Philadelphia, Pa. | 50. |
| | KAPE | Norman, Okla. | 100. | (P) | | WPVO | Knoxville, Tenn. | 40. |
| | KAPF | Okmulgee, Okla. | 50. | (P) | | WPFQ | Swarthmore, Pa. | 50. |
| | KARD | Ardmore, Okla. | 100. | (P) | | WPFS | Asheville, N. C. | 50. |
| | KGHN | Hutchinson, Kans. | 50. | (P) | | WPGZ | Johnson City, Tenn. | 50. |
| | KGHP | Lawton, Okla. | 50. | (P) | | WPHY | Elizabethton, Tenn. | 100. |
| | KGPH | Oklahoma City, Okla. | 250. | (P) | | WQJY | Mansfield, Ohio. | 50. |
| | KGPO | Tulsa, Okla. | 100. | (P) | | WRDQ | Toledo, Ohio. | 400. |
| | KGPP | Chickita, Kans. | 400. | (P) | 2482 | KGZE | San Antonio, Tex. | 50. |
| | KGZF | Chanute, Kans. | 25. | (P) | | WPCT | New Castle, Pa. | 50. |
| | KGZP | Coffeyville, Kans. | 50. | (P) | | WPHZ | Oil City, Pa. | 50. |
| | KNGK | Duncan, Okla. | 50. | (P) | | WQJF | Monessen, Pa. | 50. |
| | KNGM | Rapid City, S. Dak. | 50. | (P) | | WQFU | Sharon, Pa. | 50. |
| | KNGT | Muskogee, Okla. | 50. | (P) | 2490 | KACQ | Kalalooh, Wash. | 10. |
| | KNHC | Ada, Okla. | 50. | (P) | | KADI | Yuma, Ariz. | 50. |
| | KVFB | Huron, S. Dak. | 40. | (P) | | KADI | Oceanside, Calif. | 50. |
| | KWGM | Shawnee, Okla. | 100. | (P) | | KADI | Brea, Calif. | 50. |
| | WMPD | Waukesha, Wis. | 100. | (P) | | KASH | Portable In Wash. | 50. |
| | WPKD | Milwaukee, Wis. | 500. | (P) | | KGHD | Seattle, Wash. | 50. |
| | WPEL | Brooklyn, N. Y. | 400. | (P) | | KGHE | Snoqualmie Pass, Wash. | 50. |
| | WPEF | Bronx, N. Y. | 400. | (P) | | KGHQ | Chinook Pass, Wash. | 10. |
| | WPEG | New York, N. Y. | 500. | (P) | | KGHN | Santa Ana, Calif. | 400. |
| | WPEP | Kenosha, Wis. | 100. | (P) | | KGZD | San Diego, Calif. | 50. |
| | WPHF | Richmond, Va. | 400. | (P) | | KGZU | Lincoln, Nebr. | 20. |
| | WQFG | Ronoke, Va. | 100. | (P) | | KNFC | Port Angeles, Wash. | 50. |
| | WQHH | Lynchburg, Va. | 50. | (P) | | KNFG | Olympic, Wash. | 250. |
| | WQHT | Petersburg, Va. | 250. | (P) | | KNFK | Bellingham, Wash. | 50. |
| 2458 | KACM | Big Spring, Tex. | 50. | (P) | | KNFM | Compton, Calif. | 25. |
| | KADR | Ablene, Tex. | 40. | (P) | | KNFX | Ellensburg, Wash. | 10. |
| | KAPJ | Sweetwater, Tex. | 40. | (P) | | KNGA | Satus Pass Camp, Wash. | 10. |
| | KGZI | Wichita Falls, Tex. | 200. | (P) | | | (Em) | |
| | KGZW | Lubbock, Tex. | 150. | (P) | | KNGB | Yukima, Wash. | 50. |
| | KNFB | Idaho Falls, Idaho. | 500. | (P) | | KNGC | Vancouver, Wash. | 50. |
| | KNGW | Brownwood, Texas. | 200. | (P) | | KNGD | Walla Walla, Wash. | 50. |
| | WAGR | Urbana, Ill. | 40. | (P) | | KNGJ | El Centro, Calif. | 50. |
| | WAMN | Lorain, Ohio. | 50. | (P) | | KNGN | Norfolk, Nebr. | 25. |
| | WASB | Decatur, Ill. | 100. | (P) | | KNGQ | Wenatchee, Wash. | 50. |
| | WDPW | Wilmington, N. C. | 100. | (P) | | KNGR | Spokane, Wash. | 250. |
| | WMPJ | Clinton, Ill. | 40. | (P) | | KNGZ | Ephrata, Wash. | 10. |
| | WPDG | Youngstown, Ohio. | 250. | (P) | | KSPM | Portable In Wash. | 50. |
| | WPDO | Akron, Ohio. | 250. | (P) | | KSPN | Port in Wash. | 50. |
| | WPIV | Charlotte, N. C. | 250. | (P) | | KSPV | Port in Wash. | 15. |
| | WPHS | Asheville, N. C. | 500. | (P) | | WAKA | Huntington, Ind. | 50. |
| | WPGD | Rockford, Ill. | 50. | (P) | | WAKK | Frankfort, Ind. | 50. |
| | WPHD | Steubenville, Ohio. | 100. | (P) | | WAMI | Bluffton, Ind. | 50. |
| | WQFZ | Ottawa, Ill. | 500. | (P) | | WAMJ | Natchez, Miss. | 100. |
| | WRBH | Cleveland, Ohio. | 50. | (P) | | WAMK | Jackson, Miss. | 50. |
| 2466 | KAWP | Iowa City, Iowa. | 50. | (P) | | WASC | Peru, Ind. | 50. |
| | KGQZ | Cedar Rapids, Ia. | 100. | (P) | | WBVV | Bluefield, W. Va. | 50. |
| | KGPD | San Francisco, Calif. | 400. | (P) | | WMPG | Greenville, Miss. | 50. |
| | KGPI | Omaha, Nebr. | 400. | (P) | | WMPL | LaPorte, Ind. | 40. |
| | KGFK | Sioux City, Ia. | 100. | (P) | | WMPQ | Logansport, Ind. | 100. |
| | KGPM | San Jose, Calif. | 100. | (P) | | WMPV | Valparaiso, Ind. | 50. |
| | KGPN | Davenport, Ia. | 100. | (P) | | WPIT | Kokomo, Ind. | 50. |
| | KGZG | Des Moines, Ia. | 100. | (P) | | WPDZ | Fort Wayne, Ind. | 200. |
| | WAKB | New London, Conn. | 50. | (P) | | WPPF | Clarksburg, W. Va. | 30. |
| | WAKG | Clearwater, Fla. | 50. | (P) | | WPGN | South Bend, Ind. | 100. |
| | WFTT | Tampa, Fla. | 200. | (P) | | WPGO | Huntington, N. Y. | 25. |
| | WMPW | Waterbury, Conn. | 50. | (P) | | WPGS | Mineola, N. Y. | 40. |
| | WPIC | Memphis, Tenn. | 400. | (P) | | WPHI | Charleston, W. Va. | 50. |
| | WPIEM | Woomsocket, R. I. | 50. | (P) | | WPHJ | Farmount, W. Va. | 100. |
| | WPFV | Pawtucket, R. I. | 50. | (P) | | WPHQ | Parkersburg, W. Va. | 50. |
| | WPFW | Bridgeport, Conn. | 50. | (P) | | WQFQ | Lafayette, Ind. | 50. |
| | WPGA | Bay City, Mich. | 50. | (P) | | | Davenport, Wash. | 10. |
| | WPGB | Port Huron, Mich. | 50. | (P) | | | Marion, Ind. | 50. |
| | WPGK | Cranston, R. I. | 50. | (P) | | | Raymond, Wash. | 50. |
| | WPGX | Worcester, Mass. | 100. | (P) | 2500 | XEXP | Monterrey, N. L. | 30. |
| | WPHA | Fitchburg, Mass. | 50. | (P) | 2506 | KLH | San Rafael, Calif. | (SS). Pacific |
| | WPHN | Tampa, Fla. | 100. | (P) | | | Telegraph & Telephone Co. | |
| | WPHP | Jackson, Mich. | 100. | (P) | | WOU | Marshfield, Mass. | (SS). New |
| | WQFA | New Haven, Conn. | 100. | (P) | | | England Telephone & Telegraph | |
| | WQFC | Gainesville, Fla. | 50. | (P) | | | Co. | |
| | WQFK | Clearwater, Fla. | 50. | (P) | 2512 | KGJK | S. S. "Jeanette E." | (SS). Skluner |

| | | | |
|-----------|--|------------|---|
| | & Eddy Corp. | KIOH | Iron Creek, Aaa. 50. (C). |
| KGM | Ketchikan, Alaska. S. & E. | KIOI | Southwestern Herring Co. |
| KGNM | S. S. "Doris E." Skinner & Eddy | | Akutan, Aaa. 50. (C). American |
| KGNX | S. S. "Yes Bay." (SS). S. & E. | | Pacific Whaling Co. |
| KLE | Rose Inlet, Alaska. S. & E. | ..... | Pt. Villa, Aaa. 50. (C). Oceanic |
| WDEM | S. S. "Wm. T. Muir." (SS). S. & E. | 2636 * | Fisheries Co. |
| WFFR | S. S. "Frances E." (SS). S. & E. | 2640 | American Airlines |
| WIDL | S. S. "Leonie." (SS). S. & E. | KNKS | Yosemite Nat'l. Park, Calif. (F) |
| WIDM | S. S. "Sally S." (SS). S. & E. | * | Braniff Airlines |
| WIDN | S. S. "Virginia E." (SS). S. & E. | 2644 * | North West Airlines |
| WNFM | S. S. "Aico." (SS). S. & E. | 2670 | Santa Cruz Isl., Calif. (LH) |
| 2520 KNJB | Yellowstone Nat'l. Park, Wyo. (F). | NMC | San Francisco, Calif. (Pt. Bonita) 200. (CG) |
| KNKP | Rocky Mountain Nat'l. Park, Colo. (F) | NMD | Cleveland, Ohio. 200. (CG) |
| 2522 KOW | Edmonds, Wash. (SS). Pacific Telephone & Telegraph Co. | NMF | Winthrop, Mass. (CG) |
| WOO | Ocean Gate, N. J. (SS). Am. Tele. & Teleg. Co., Long Lines Dept. | NMG | Mobile, Ala. 200. (CG) |
| 2638 KALG | Squaw Harbor, Alaska. (C). | NMII | Washington, D. C. (Fort Hunt, Va.). 200. (CG). |
| KALI | Lazy Bay, Aaa. (C) | NMN | Princess Anne, Va. (Virginia Beach). 200. (CG) |
| KALJ | King Cove, Aaa. (C) | NMP | Wilmette, Ill. 200. (CG) |
| KDK | Wrangell, Aaa. (C) A. R. Brueger | NMV | Jacksonville Beach, Fla. 200. (CG) |
| KILD | Cordova, Aaa. Pioneer Seas Foods Co. | NMW | Westport, Wash. (Grays Harbor). 200. (CG) |
| WOMW | Motorship "Minnlehaba." | NMY | Rockaway Beach, N. Y. (Rock- away Point). 200. (CG) |
| WOMX | M/S "Empress" | NNO | Honolulu, Hawaii. 200. (CG) |
| WOMY | M/S "Glenwood" | NOB | Buffalo, N. Y. 200. (CG) |
| WOME | M/S "Admiralty" | NOC | Charleston, S. C. 200. (CG) |
| 2550 WMI | Lorain, Ohio. (SS). | NOF | St. Petersburg, Fla. 200. (CG) |
| 2566 KFF | Union Bay, Alaska. (C). Nakat Packing Corp. | NOJ | San Pedro, Calif. (Point Vicente). 200. (CG) |
| KGFG | Motorship "A & P Nakeen." (SS). N.P.C. | NOL | Fort Lauderdale, Fla. 200. (CG) |
| KHV | Nakeen, Aaa. (C). N.P.C. | NOM | Miami, Fla. 200. (CG) |
| KLA | Waterfall, Aaa. (C). N.P.C. | NOP | New York, N. Y. (Floyd Bennett Field). 200. (CG) |
| KLD | Hidden Inlet, Aaa. (C). N.P.C. | NOQ | New Orleans, La. 200. (CG) |
| KOU | Wilmington, Calif. (SS). Southern Calif. Tele. & Telog. Co. | NOR | San Diego, Calif. 200. (CG) |
| 2600 KNLA | Glacier Nat'l. Park., Mont. (F). | NOS | Salem, Mass. (CG) |
| 2604 WVD | Seattle, Wash. 500. (C). Alaskan Telephone Co., 517 Federal Office Bldg. | NOU | New London, Conn. (CG) |
| WXA | Juneau, Alaska. (C). U. S. Signal Corps. | NOV | Cape May, N. J. 200. (CG) |
| WXH | Ketchikan, Aaa. (C). | NOW | Port Angeles, Wash. 200. (CG) |
| 2608 * | Southern Airlines. | NOX | Biloxi, Miss. 200. (CG) |
| 2612 * | American Airlines | NOY | Galveston, Tex. 200. (CG) |
| 2616 KAEB | Hydaburg, Alaska. 40. (C). Territory of Alaska | NRGA | U. S. C. G. "Aurora." |
| KAED | Angoon, Aaa. 40. (C). T of A. | NRGP | U. S. C. G. "Perseus." |
| KAEF | Jack Wade, Aaa. 40. (C). T of A. | NRUD | U. S. C. G. "Tahoe" |
| KAEL | Kake, Aaa. (C). | NRXV | U. S. C. G. "CG254" |
| KAEP | Tenakee, Aaa. (C). | NRYA | U. S. C. G. "CG259" |
| KAEW | Umnak, Aaa. (C). | NRYP | U. S. C. G. "CG260" |
| KAJJ | Atka, Aaa. (C). | WWAK | Anacapa Isl., Calif. (LH) |
| KAKJ | Akutan, Aaa. (C). | 2676 | Coast Guard Stations, Atlantic Coast |
| KAMY | Port Oceanic, Aaa. 50. (C). Oceanic Fisheries Co. | 2684 | Coast Guard Stations, Great Lakes |
| KAQF | Unalaska, Aaa. (C) | 2688 | Coast Guard Stations, Great Lakes |
| ..... | Teller, Aaa. 50. Teller Com- mercial Co. | 2692 | Coast Guard Stations, Great Lakes |
| 2630 KYZA | El Paso, Tex. Immigration Border Patrol. | 2698 | KCBO |
| 2632 KAMY | Port Oceanic, Aaa. 50. (C). Oceanic Fisheries Co. | NMC | Tillamook Rock, Ore. (LH) |
| KANA | Pt. Williams, Aaa. 50. (C). | NMW | San Francisco, Calif. (Pt. Bonita) (CG) |
| KAQI | Washington Fish & Oyster Co. | NOJ | Westport, Wash. (Grays Harbor) (CG) |
| KIJW | Ouzinkie, Aaa. 50. (C). O. L. Grimes | 2720 * | San Pedro, Calif. (Pt. Vicente). (CG) |
| KIJV | Shearwater Bay, Aaa. 50. (C). | | Trans-Continental and Western Air |
| KIJX | Kodiak Fisheries Co. | 2726 | KATA |
| KIMA | Kodiak Isl., Aaa. (C). K.F.C. | KATB | Grass Valley, Calif. 50. (Em). Idaho Maryland Mines Corp. |
| KIOC | Pt. Hobron, Aaa. (C). American Pacific Whaling Co. | KAWJ | Forbestown, Calif. 50. (Em). I.M.M. CO. |
| KTOD | Pt. Wakefield, Aaa. 10. (C). Apex Fish Co. | KAWK | Norden, Calif. 50. (Em). South- ern Pacific Co. |
| | Nelle Juan, Aaa. 50. (C). Copper River Packing Co. | KI1W | Emigrant Gap, Calif. 50. (Em). S.P.C. |
| | | KI1Y | Los Angeles, Calif. 175. (Em). L. A. County, 205 S. Broadway |
| | | KINT | Los Angeles, Calif. 400. (Em). L. A. County |
| | | | Los Angeles, Calif. (Portable) |

| | | | | | | |
|------|------|--|--|------|------|---|
| | WWKD | Conway, N. H. (F) | | 3385 | KBAA | Portland, Ore. (F) |
| | WWKE | Campton, N. H. (F) | | | KBAB | Portland, Ore. (F) |
| | WWKF | Athens, Tenn. (F) | | | KBAC | Portland, Ore. (F) |
| | WWKG | Tellico Plains, Tenn. (F) | | | KBAD | Portland, Ore. (F) |
| | WWKH | Taladega, Ala. (F) | | | KBAJ | Oakland, Calif. (F) |
| | WWKI | Littleton, N. H. (F) | | | KBAK | Yreka, Calif. (F) |
| | WWKJ | Weston, Vt. (F) | | | KBAS | Portland, Ore. (F) |
| | WWKS | Duluth, Minn. (F) | | | KBBG | Hamilton, Mont. (F) |
| | WWKU | Etowah, Tenn. (F) | | | KBBO | Kalispell, Mont. (F) |
| | WWKX | St. Louis, Mo. (F) | | | KBBP | Kalispell, Mont. (F) |
| | WWLK | Duluth, Minn. (F) | | | KBBQ | Missoula, Mont. (F) |
| | WWLN | Duluth, Minn. (F) | | | KBCA | Ft. McArthur, Calif. (F) |
| | WWLQ | Rutland, Vt. (F) | | | KBCB | Santa Barbara, Calif. (F) |
| | WWLR | Rutland, Vt. (F) | | | KBCG | Yreka, Calif. (F) |
| | WWLT | Ocoee, Tenn. (F) | | | KBCH | Oakland, Calif. (F) |
| | WWLU | Bristol, Tenn. (F) | | | KBCI | Santa Barbara, Calif. (F) |
| 3222 | * | American Airlines | | | KBCV | Kalispell, Mont. (F) |
| | * | United Airlines | | | KBCZ | Hamilton, Mont. (F) |
| 3232 | * | American Airlines | | | KBDJ | Portland, Ore. (F) |
| 3235 | KBAT | Olympia, Wash. (F) | | | KBDQ | Logan, Utah. (F) |
| | KBAU | Olympia, Wash. (F) | | | KBDU | Powers, Ore. (F) |
| | KBCK | Challis, Idaho. (F) | | 3387 | KGYA | Longmire, Wash. (F) |
| | KBCL | Challis, Idaho. (F) | | | KGYB | Longmire, Wash. (F) |
| | KBCP | Boise, Idaho. (F) | | | KGYC | Paradise, Wash. (F) |
| | KBCQ | Boise, Idaho. (F) | | | KGYD | Sunrise, Wash. (F) |
| | KBCS | Halley, Idaho. (F) | | | KGYE | White River Entrance, Wash. (F) |
| | KBDF | Boise, Idaho. (F) | | | KGYF | Carbon River, Wash. (F) |
| | KBDL | Oakland, Calif. (F) | | | KGYG | Portable in Wash. (F) |
| 3243 | * | American Airlines | | 3397 | KBDW | Mt. Shasta, Calif. (F) |
| 3258 | * | American Airlines | | | KBDX | Missoula, Mont. (F) |
| 3265 | KAKR | Candle, Alaska. 30. (C). Candle Community Radio Assn. | | | KBDY | Portland, Ore. (F) |
| | KALY | Egavik, Aaa. 25. (C). R. B. Julian | | 3410 | KBDZ | Seattle, Wash. (F) |
| | KBBE | Grangeville, Idaho. (F) | | | KNLP | Death Valley, Calif. (F) |
| | KBBF | Orofino, Idaho. (F) | | | WPB | Portland, Maine. (LH) |
| | KBBH | Orofino, Idaho. (F) | | | WLJ | Poe Reef, Mich. (LH) |
| | KBBI | Pierce, Idaho. (F) | | | WSEO | Gatlinburg, Tenn. Gt. Smokey Mt. Nat'l. Park |
| | KBBJ | Orofino, Idaho. (F) | | | WST | Dry Tortugas, Fla. (LH) |
| | KBBK | Orofino, Idaho. (F) | | | WWAJ | Manitou Isl., Mich. (LH) |
| | KBBL | Orofino, Idaho. (F) | | | WWAL | Passage Isl., Mich. (LH) |
| | KBBU | Grangeville, Idaho. (F) | | | WWAM | Rock of Ages, Mich. (LH) |
| | KBCU | Grangeville, Idaho. (F) | | | WWG | Cheboygan, Mich. (LH) |
| | KBDP | Descauso, Calif. (F) | | | WWZ | Key West, Fla. (LH) |
| | KBDT | Cascade Locks, Ore. (F) | | 3445 | KBAM | Grants Pass, Ore. (F) |
| | KILQ | Skowl Arm, Aaa. 100. (C). Deep Sea Salmon Co. | | | KBAO | Grants Pass, Ore. (F) |
| 3295 | KBAA | St. Maries, Idaho. (F) | | | KBAQ | Okanogan, Wash. (F) |
| | KBBB | Ashland, Mont. (F) | | | KBAR | Globe, Ariz. (F) |
| | KBBC | Kingston, Idaho. (F) | | | KBAV | Quincy, Calif. (F) |
| | KBBD | St. Maries, Idaho. (F) | | | KBCD | Northfork, Calif. (F) |
| | KBBS | Billings, Mont. (F) | | | KBCE | Northfork, Calif. (F) |
| | KBHT | Ashland, Mont. (F) | | | KBCF | Northfork, Calif. (F) |
| | KBBY | Coeur d'Alene, Idaho. (F) | | | KBCR | Eminett, Idaho. (F) |
| | KBBZ | Calder, Idaho. (F) | | | KBDM | Okanogan, Wash. (F) |
| | KBCC | Mt. Shasta, Calif. (F) | | | KBDN | Wintrop, Wash. (F) |
| | KBDA | Ely, Nev. (F) | | | WWKK | Escanaba, Mich. (F) |
| | KBDB | Ely, Nev. (F) | | | WWKL | Portable in Mich. (F) |
| | WWKV | Cass Lake, Minn. (F) | | | WWKM | Mio, Mich. (F) |
| | WWKW | Cass Lake, Minn. (F) | | | WWKN | Baraga, Mich. (F) |
| | WWLJ | Ironwood, Mich. (F) | | | WWKO | Newberry, Mich. (F) |
| | WWLO | Andalusia, Ala. (F) | | | WWKP | Roscommon, Mich. (F) |
| | WWLP | Andalusia, Ala. (F) | | | WWKQ | Traverse City, Mich. (F) |
| | WWLW | Rio Piedras, Puerto Rico. (F) | | | WWKR | Marquette, Mich. (F) |
| | WWLX | Rio Piedras, Puerto Rico. (F) | | | WWKT | Putney, Ky. (F) |
| | WWLY | Rio Piedras, Puerto Rico. (F) | | | | |
| | WWLZ | Rio Piedras, Puerto Rico. (F) | | 3448 | * | American Airlines |
| 345 | KBAN | Kemmerer, Wyo. (F) | | 3458 | * | American Airlines |
| | KBAX | Weaverville, Calif. (F) | | 3468 | * | American Airlines |
| | KBCC | McCall, Idaho. (F) | | 3500 | | |
| | KBDC | Ogden, Utah. (F) | | to | | AMATEURS |
| | KBDR | Salt Lake City, Utah. (F) | | 4000 | | |
| | KBDS | Salt Lake City, U. (F) | | | | |

The shortwave list will be concluded in the April issue of this magazine. The second part of this list includes all the broadcasters, showing their assigned frequencies as well as actual frequencies used, in addition to all the data available on schedules, addresses, power, etc.

WHAT'S ON THE AIR TONIGHT

Fill in the calls and frequencies of the stations through which you best receive the network programs. You can then turn quickly to the one that has the feature you want.

| Network | Stations |
|-------------------|----------|
| Canadian (CBC) | |
| Columbia (C) | |
| Mutual (M) | |
| National Red (R) | |
| National Blue (B) | |

Time: E Eastern; C Central; M Mountain; P Pacific

While these programs are correct at the time of going to press, changes are made frequently.

MONDAY

E-6:30 p.m., C-5:30, M-4:30, P-3:30

C — Boake Carter

KDAL KFAB KFH KGKO KGLO
KLRA KMBC KMOX KNOX KOMA
KRLD KRNT KSCJ KTRH KTSB
KTUL KWKH WABC WACO WADC
WAPI WBBM WBIG WBNS WBT
WCAO WCAU WOOD WCHS WDAE
WDBJ WDBO WOOD WDRG WDEI
WEOA WFAM WFEL WFPM WGAR
WGST WHAS WHEC WHIO WHP
WIBW WISN WHAS WJR WKBB
WJSV WKBH WKBW WEXB WKRC
WLAC WMBD WMBR WNAX
WNOX WOC WOKO WORC WPRO
WQAM WREC WRVA WTAQ WWL
WWVA

E-6:45 p.m., C-5:45, M-4:45, P-3:45

B — Lowell Thomas

CRCT KDKA WRAL WBZ WBZA
WFLL WIOD WJAX WJZ WLW
WMAL WOOD WRVA WSYR WTAM
WXYZ

C — Lum and Abner

KFAB KMBC KMOX KNOX KOMA
KRLD KRNT KTRH KTSB KTUL
WABC WBBM WBNS WBT WCAO
WCAU WCOA WDAE WDBJ WDRG
WDEI WFEL WFPM WGAR WGST
WHAS WHEC WHIO WJR WJSV
WKBW WKRC WLAC WMBD WOKO
WPRO WQAM WREC WRVA

E-7:00 p.m., C-6:00, M-5:00, P-4:00

C — Poetic Melodies; Jack Fulton

WABC WADC WBT WCAO WCAU
WDRG WEAN WEEL WFBI WGR
WHEC WHK WJAS WJR WJSV
WKRC WOKO WSPD WTOC WWVA

R — Amos 'n' Andy

KSD KSTP KYW WBNB WCAE
WCSH WLEF WEHR WGY WHO
WJAR WLW WNAC WRC WTAG
WTAM WTIC WWJ

E-7:15 p.m., C-6:15, M-5:15, P-4:15

R — Uncle Ezra's Radio Station

KARK KFYP KGBX KGNC KPRC
KSTP KTHS KTHS KVOO KYW
WBAP WREN WCAE WCKY WCOL
WCSH WDAF WDAY WEAF WIBC
WFSA WFBP WGBF WGY WHO
WIBA WHEE WJAR WKY WMAQ
WNAC WOAI WOOD WOV WRC
WTAG WTAM WTIC WTMJ

E-7:30 p.m., C-6:30, M-5:30, P-4:30

C — Eddie Cantor

Station list not yet available
M — The Lone Ranger
WFIL WNHF WSYR WOR WXYZ

E-8:00 p.m., C-7:00, M-6:00, P-5:00

R — Burns and Allen

CRCT KYW WBNB WCAE WCSC
WCSH WEAF WFBR WFLA WGY
WHO WIOD WIRE WIS WJAR
WJAX WLW WMAQ WNAC WPTF
WRC WRVA WSOC WTAG WTAM
WTAR WTIC WWJ

B — Melody Puzzles; Harry Salter

KANS KDKA KECA KERN KFBK
KFDM KFEL KFSB KGA KGHF
KGHL KGIR KGO KGW KIDO
KJR KLO KMJ KOB KOIL KRGV
KRIS KSO KTAR KTMS KTRM
KWG KWK KXYZ WABY WAGA
WBAL WBOW WBRB WBAZ WBZA
WCKY WCOL WDSU WENB WEHR
WFPA WFIL WGL WHAM WHK
WICC WJBO WJTN WJZ WLEU
WLS WMAL WMPB WMT WORK
WREN WROL WRTD WSAN WSGN
WSPD WSYR WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30

C — Pick and Pat

KFAB KMBC WAHC WADC WBBM
WBT WCAO WCAU WDRG WEAN
WFBI WGR WGST WIBC WHK
WHF WIC WJAS WJR WJSV
WKHC WLBZ WMAS WNAC WOKO
WORC WSPD

R — Voice of Firestone

CFCF CRCT KFYP KPRC KSD
KSTP KTBS KVOO KYW WAVE
WBEN WCAE WCSC WCSH WDAF
WDAY WEAF WIBC WEEL WFSA
WPRC WFRB WFLA WGY WHO
WIBA WIOD WIRE WIS WJAR
WJAX WJZ WKY WMAQ WMC
WOAI WOV WPTF WRC WRVA
WSB WSM WSMB WSOC WTAG
WTAM WTAR WTIC WTMJ WWJ
WVNC

B — Campana's Grand Hotel

KDKA KFEL KFI KFSB KGA KGO
KGW KJR KLO KOIL KSO KWK
WBAL WBLB WBZA WCKY WEAN
WEER WFIL WHAM WHK WICC
WJZ WLS WMAL WMT WOWO
WREN WSPD WSYR WXYZ

E-8:45 p.m., C-7:45, M-6:45, P-5:45

C — Boake Carter

KFPY KGAR KIRO KLZ KNX
KOIN KOY KSPD KSL KVI KVOR

E-9:00 p.m., C-8:00, M-7:00, P-6:00

B — Philadelphia Symphony

KFEL KGO KSO KVOD KWK
KXYZ WBAL WBZ WBZA WEAN
WEBR WENR WFIL WHAM WJTN
WJZ WLS WMAL WREN WRTD
WSPD WSYR WTCN WXYZ

C — Lux Radio Theater

CFRB CKAC KFAB KFH KFPY
KLRA KLZ KMBC KMOX KNOW
KNX KOH KOIN KOL KOMA
KRLD KRNT KSPD KSL KTRH
KTSB KTUL KVI WABC WADC
WBBM WBNS WBRB WBT WCAO
WCCO WDAE WDBJ WDRG WEEL
WFBL WFBM WGAR WGST WHAS
WHEC WHIO WTBX WISN WJAS
WJR WJSV WKBW WKRC WLAC
WMAS WMBD WNAX WOKO WORC
WPRO WQAM WREC WRVA WWL
Also on Canadian Network

R — Fibber McGee and Molly

KFYP KPRC KSD KSTP KTBS
KVOO KYW WAVE WBNB WCAE
WCOL WCSH WDAF WDAY WEAF
WHEC WFAA WFRB WFLA WGY
WHO WIBA WIOD WIRE WIS
WJAR WJAX WJZ WLW WMAQ
WMC WNAC WOAI WOV WPTF
WRC WRVA WSB WSM WSMB
WSOC WSNW WTAG WTAM WTAR
WTIC WTMJ WWJ WVNC

E-9:30 p.m., C-8:30, M-7:30, P-6:30

R — Phil Spitalny's Girl Orchestra

CFCF CRCT KDYL KFI KGHL
KGIR KGO KGW KHQ KOA KOMO
KPRC KSD KSTP KVOO KYW
WAVE WBNB WCAE WCSH WDAF
WEAF WFAA WFRB WFLA WGY
WHO WIBA WIOD WIRE WIS
WJAR WJAX WKY WLW WMAQ
WMC WNAC WOAI WOV WPTF
WRC WRVA WSB WSM WSMB
WTAG WTAM WTAR WTIC WTMJ
WWJ

E-10:00 p.m., C-9:00, M-8:00, P-7:00

R — Contented Program

CFCF CRCT KDYL KFI KGW KHQ
KOA KOMO KPO KPRC KSD KYW
WBNB WCAE WCSH WDAF WEAF
WEEL WFRB WFLA WGY WHO
WIOD WIS WJAR WJAX WKY
WMAQ WMC WOAI WOV WPTF
WRC WRVA WSB WSM WTAG
WTAM WTAR WTIC WWJ WVNC
Also on Canadian Network

B — Warden Lewis E. Lawes

KDKA KECA KFSB KGA KGO

MONDAY (Continued)

KJR KLO KOIL KSO KVOD KWK
WBAL WBZ WRZA WCKY WEAN
WBR WENR WFIL WIAM WIK
WICC WJZ WMAL WMT WOWO
WREN WSPD WSYR WTCN WXYZ

C — Wayne King and Orchestra
KDB KERN KFAB KFBK KFPY
KFRC KGH KHJ KLZ KMBC KMJ
KMOX KOIN KOL KRNT KSL KVI
KWG WAAB WABC WADC WBBM
WBNS WBZ WCAO WCCO WDCB
WDRG WEAN WFBL WFWM WHAS
WHK WIBW WJAS WJR WJSV
WKBW WRWC WOKO WSPD WVL

E-10:30 p.m., C-9:30, M-8:30, P-7:30
C — Brave New World
Available to entire network

R — Burns and Allen
KARK KDYL KFBK KFI KFYZ
KFBX KGHG KHGR KGNC KGO
KGW KHQ KMJ KOA KOMO KPO
KPRC KSD KSTP KTAR KTBS
KVoo KWG WAVE WDAF WDAY
WBCB WFAA WIBA WJDX WKY
WMC WOAI WOW WSB WSMB
WTMJ

M — The Lone Ranger
KDB KDON KPRC KFEM KGB
KGDMM KHJ KPMC KVOE KXO
Available also to West Coast Section

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Poetic Melodies; Jack Fulton
KERN KFAB KFBK KFPY KFRC
KGB KHJ KLRA KLZ KMBC KMOX
KOIN KOL KOMA KRLD KRNT
KSL KTRH KTSa KVI WBBM
WBRG WCCO WFBM WGST WLAC
WREO WWL

R — Amos 'n' Andy
KDYL KERN KFBK KFI KGW
KHQ KMJ KOA KOMO KPO KPRC
KSD KWG WDAF WFAA WHO
WIRE WKY WMAQ WMC WOAI
WOW WSB WSM WSMB

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Pick and Pat
KFPY KGKO KLRA KLZ KMOX
KNX KOIN KOL KOMA KRLD
KRNT KSCJ KSPF KSL KTUL
KVI KWKH WACO WBRG WCCO
WFBI WHAS WLAC WREC

TUESDAY

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Boake Carter, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
B — Lowell Thomas, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday
B — Easy Aces

KDKA KDYL KFI KGW KHQ KOA
KOIL KOMO KPO KSO KWK WBAL
WBZ WBZA WCKY WENR WFIL
WGAR WHAM WHIO WIRE WJZ
WMAL WMT WSYR WXYZ

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Geo. McCall, Hollywood Talk
KFAB KFH KLRA KIXO KNOW
KOM A KRLD KRNT KTRH KTSa
KWKH WABC WADC WBBM WBNS
WBZ WCAO WCAU WCCO WCHS
WDAE WDBO WDDO WDRG WEEI
WFBL WGAR WGRI WGST WHAS
WHFC WHIO WIBW WISN WJAS

WJR WJSV WKRC WLAC WMAS
WMBR WOC WOKO WORC WPRO
WQAM WREC WRVA WWL

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Helen Menken, Drama
KFAB KFPY KIRO KIZ KMBC
KMØX KNX KOIN KRNT KSPF
KSL KVI WABC WBBM WCAO
WCAU WDRG WEEI WFBL WGAR
WGR WHAS WHFC WHIO WJAS
WJR WJSV WKRC WOKO WORC
WPRO

B — Dorothy Thompson; News
WBAL WBZ WBZA WENR WHAM
WJZ WSYR

E-8:00 p.m., C-7:00, M-6:00, P-5:00
R — Johnny with Russ Morgan
KFYR KPRC KSD KSTP KTBS
KTBS KVoo KYW WAVE WBAP
WBEN WCAE WCHS WDAF WDAY
WEAF WBCB WFBF WFLA WGY
WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WNAC WOW WPTF WRG
WRVA WSB WSM WSMB WSOC
WSUN WTAG WTAM WTAR WTC
WTMJ WWJ WWNC

C — Edward Robinson; Claire Trevor
CBM CFRB KFAB KFH KFPY
KIRO KLRA KLZ KMBC KMOX
KNOW KNX KOIN KOMA KRLD
KRNT KSFo KSL KTRH KTSa
KTUL KVI WABC WADC WBBM
WBNS WBRG WBT WCAO WCAU
WCCO WDAE WDBJ WDRG WEEI
WFBL WFBM WGAR WGR WGST
WHAS WHFC WHIO WIBX WISN
WJAS WJR WJSV WKRC WLAC
WMAS WMBD WNAX WOKO WORO
WPRO WQAM WREC WRVA WWL
Also on Canadian Network

B — Those We Love
KDKA KFEL KFI KFSD KGA KGO
KJR KLO KOIL KSO KWK WABY
WBAL WBZ WBZA WCKY WEAN
WEBR WFIL WHAM WHK WICC
WJZ WLS WMAL WMT WREN
WSPD WSYR WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Al Jolson; Parkyakarkus
CFRB CRCM KFAB KFH KLRA
KMBC KMOX KNOW KOMA KRLD
KRNT KTRH KTSa KTUL WABC
WADC WBBM WBNS WBRG WBT
WCAO WCAU WCCO WDAE WDBJ
WDRG WEEI WFBL WFBM WGAR
WGR WGST WHAS WHFC WHIO
WIBX WISN WJAS WJR WJSV
WKRC WLAC WMAS WMBD WNAX
WOKO WORO WPRO WQAM WREC
WRVA WWL

Also on Canadian Network
R — Wayne King and Orchestra
KFYR KPRC KSD KSTP KTBS
KVoo KYW WAVE WBAP WBEN
WCAE WCKY WCHS WDAF WDAY
WEAF WBCB WEEI WFBF WGY
WHO WHIO WIBA WIRE WJAR
WJDX WKY WMAQ WMC WOAI
WOW WRC WSB WSM WSMB
WTAG WTAM WTC WT MJ WWJ

B — Edgar Guest, It Can Be Done
KDKA KOIL KSO KWK WBAL
WBZ WBZA WFIL WGAR WHAM
WJZ WLS WLW WMAL WMT
WREN WSYR WXYZ

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Boake Carter, See Monday

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Al Pearce and Gang
CFRB CKAC KFAB KFH KGKO
KLRA KMBC KMOX KOMA KRLD
KRNT KSCJ KTRH KTSa KTUL
KWKH WABC WACO WADC WALA
WBBM WBIG WBNS WBRG WBT
WCAO WCAU WCCO WDAE WDBJ
WDBO WDCB WDDO WDRG WEAN
WFBL WFBM WFEA WGST WHAS
WHFC WHK WHF WIBW WIBX
WICC WISN WJAS WJR WJSV
WKBH WKBN WKWB WKRC
WLAC WLBB WMAS WMBD WMBG
WMBR WMNN WNAC WNAX
WNEF WNOX WOC WOKO WORC
WOW WPG WQAM WREC WSBT
WSEA WSJS WSPD WTCO WWL

R — Vox Pop; Sidewalk Interviews
KSD KYW WBEN WCAE WCKY
WCHS WDAF WEA F WEEI WFBF
WGY WHO WIRE WJAR WMAQ
WOW WRC WTAG WTAM WTC
WJZ

B — Horace Heldt Orchestra
KANS KDKA KFI KFSD KGA KGO
KGW KJR KLO KOIL KPRC KSO
KTBS KVOD KWK WAVE WBAL
WBAP WBZ WBZA WEAN WEBR
WFIL WFLA WHAM WHK WIC
WIOD WIS WJAX WJZ WKY WLS
WLW WMAL WMC WMT WOAI
WPTF WREN WBS WSM WSMB
WSOC WSPD WSUN WSYR WTAR
WTON WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
R — To be announced
CFCE CRCT KDYL KFI KGHL
KGW KHQ KOA KOMO KPO KPRC
KSD KSTP KTAR KTBS KVoo
KYW WAVE WBAP WBEN WCAE
WCOL WCSB WCHS WDAF WDEL
WEAF WBCB WFBF WFLA WGY
WHO WIBA WIOD WIRE WIS
WJAR WJAX WKY WMAQ WMBG
WMC WNAC WOAI WOOD WOW
WRC WSB WSM WSMB WSOC
WTAG WTAM WTAR WTC WT MJ
WJZ

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Benny Goodman's Orchestra
KFAB KFH KFPY KGKO KIRO
KLRA KLZ KMBC KMOX KNOV
KNX KOIN KOMA KOY KRLD
KRNT KSCJ KSPF KSL KTRH
KTUL KTRH KVI KVOR KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRG WBT WCAO
WCAU WCCO WCHS WDAE WDBJ
WDBO WDCB WDDO WDRG WEEI
WFBL WFBM WGAR WGST WHAS
WHFC WHK WHF WIBW WIBX
WISN WJAS WJR WJSV WKBH
WKBN WKWB WKRC WLAC WLBB
WMAS WMBD WMBR WNAX
WNEF WNOX WOC WOKO WORC
WPG WPRO WQAM WREC WRVA
WSBT WSEA WSJS WTCO WWL

M — Eddie Duchin Orchestra
CKLW KALE KDB KDON KELA
KPRC KFXN KGA KGB KGY KHJ
KIEM KIT KMO KOL KORE KPMC
KPQ KQW KRNK KSLM KVoe
KVOS KXO KXRO WGN WIV WLW
WNAC WOL WOR WRR

E-10:30 p.m., C-9:30, M-8:30, P-7:30
R — Jimmy Fidler Hollywood Gosip
KDYL KFI KGW KHQ KOA KOMO
KPO KSD KTAR KYW WBEN
WCAE WCHS WDAF WEA F WBR

TUESDAY (Continued)

WGY WHO WJAR WLW WMAQ
WNAO WOOD WOW WRC WTAG
WTAM WTIC WWJ

E-10:45 p.m., C-9:45, M-8:45, P-7:45
R — Dale Carnegie; Winning Friends
KDYL KFI KGW KHQ KOA KOMO
KPO KSD KSTP KYW WBBN WCAE
WCSH WDAF WDEL WEAF WFBR
WGY WHO WIRE WJAR WLW
WMAQ WNAO WOW WRC WTAG
WTAM WTIC WWJ

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Geo. McCall, Hollywood Talk
KPY KIRO KLZ KMBC KNX
KOIN KSFO KSL KYI

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Al Jolson; Parkyakarkus
KPY KLZ KNX KOIN KOL KSFO
KSL KYI
Also on Canadian Network

E-Midn't; C-11:00, M-10:00, P-9:00
C — Al Pearce and Gang
KEBB KFPY KGVO KLZ KNX
KOH KOIN KOL KOY KSFO KSL
KVI KWOR

WEDNESDAY

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Boake Carter, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
B — Lowell Thomas, See Monday
C — Lum and Abner, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday
B — Easy Aces, See Tuesday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Hobby Lobby
KMBC WABC WADC WBIG WBNS
WBT WCAO WCAU WCHS WDAE
WDBJ WDBO WDRC WEEL WFBL
WGAR WGBI WGR WHCI WHIO
WIBX WJAS WJR WJSV WKBN
WKRC WLWZ WMAZ WMBR WOKO
WORC WPRO WQAM WRVA WVVV
R — Uncle Ezra, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
M — Lone Ranger, See Mon.

E-7:45 p.m., C-6:45, M-5:45, P-4:45
R — "Cheer Up!"; Henry Burbig
KYW WEAF WENR WTAM

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Cavalcade of America
KDB KERN KFAB KFBC KFPY
KPRC KGB KHJ KLZ KMBC KMJ
KMOX KOIN KOL KRLL KRNT
KSL KVI KGW WABC WBBM
WBNS WCAU WCCO WDRC WEAN
WFBL WFBR WGR WHAS WHEC
WHK WJAS WJR WJSV WKRC
WLAC WMBG WNAO WOKO WTOC
WWL

R — One Man's Family
KDYL KFI KFJR KGW KHQ KOA
KOMO KPO KPRC KSD KSTP
KTAR KTBS KTHS KVOO KYW
WAPI WAVE WBAF WBBN WCAE
WCSH WDAF WDAY WEAF WECB
WEEI WFAA WFBF WFLA WGY
WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ

WMC WOAI WOW WPTF WRC
WRVA WSB WSM WSMB WSOO
WSUN WTAG WTAM WTAR WTIC
WTMJ WWJ WWNC
Also on Canadian Network

B — Harriet Parsons
KDKA KECA KFEL KFSD KGA
KGO KJR KLO KOIL KSO KWK
WBAL WBZ WBZA WCKY WEAN
WEHR WFL WHAM WHK WICC
WJZ WLS WMAZ WMT WOWO
WREN WSPD WSYR WXYZ

R — Tommy Dorsey Orchestra
KDYL KFI KGW KHQ KOA KOMO
KPO KPRC KSD KSTP KTBS KYW
WAVE WBBN WBRC WCAE WCSH
WDAF WDEL WEAF WFAA WFBR
WFLA WGY WHO WIOD WIRE
WIS WJAR WJAX WKY WLW
WMAQ WMBG WMC WNAO WOOD
WOW WPTF WRC WSB WSM
WSMB WSUN WTAG WTAM WTAR
WTIC WWJ WWNC

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Boake Carter, See Monday

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Chesterfield; Andre Kostelanetz
KDB KERN KFAB KFBC KFH
KFPY KPRC KGB KGKO KGMB
KHJ KLKA KLZ KMBC KMJ KMOX
KOH KOIN KOL KOMA KRLL
KRNT KSCJ KSL KTRH KTSB
KTUL KVI KWOR KVG KWKH
WABC WACO WADC WALA WBBM
WBIG WBNS WBRC WBT WCAO
WCAU WCCO WCOA WDAE WDBG
WDBO WDNC WDOE WDRC WEAN
WFBL WFBR WFEA WGST WHAS
WHEC WHK WHP WIBX WIBX
WICC WISN WJAS WJR WJSV
WKBB WKBW WKRC WLAC WLWZ
WMAZ WMBD WMBG WMBR
WNAO WNAX WNBC WNOX WOC
WOKO WORC WOWO WPG WQAM
WREC WSFA WSJS WSPD WTOC
WWL

R — Town Hall Tonight
KFJR KPRC KSD KSTP KTBS
KTHS KVOO KYW WAVE WBBN
WCAE WCSH WDAF WDAY WEAF
WECB WEEI WFAA WFRB WFLA
WGY WHO WIBA WIOD WIS WJAR
WJAX WJDX WKY WLW WMAQ
WMC WOAI WOW WPTF WRC WSM
WSM WSMB WSOO WTAG WTAM
WTAR WTIC WTMJ WWJ WWNC

E-9:30 p.m., C-8:30, M-7:30, P-6:30

C — Ben Bernie; Lew Lehr
KDAL KFAB KFBC KFH KFPY
KGAR KGKO KGLD KIRO KLRA
KLZ KMBC KMOX KNOW KNX
KOH KOIN KOMA KOY KRLL
KRNT KSCJ KSPD KSL KTRH
KTSB KTUL KVI KWOR KWKH
WABC WACO WALA WBBM WBIG
WBNS WBT WCAO WCAU WCCO
WCHS WCOA WCOO WDAE WDBJ
WDBO WDNC WDOE WDRC WEEI
WFOA WFBL WFBR WGAR WGBI
WGST WHAS WHEC WHIO WHLH
WHP WIBX WIBX WISN WJAS
WJNO WJR WJSV WKBB WKBB
WKRW WKRC WLAC WLWZ WMAZ
WMBD WMBR WMFG WMNN
WNAX WNBC WNBX WNOX WOC
WOKO WORC WPG WPRO WQAM
WREC WRVA WSBT WSFA WSJS
WTAQ WTOC WWL

E-10:00 p.m., C-9:00, M-8:00, P-7:00

C — Crima Crusade; Phil Lord
KDB KERN KFAB KFBC KFH
KFPY KPRC KGB KHJ KLZ KLZ
KMBC KMJ KMOX KOIN KOL
KOMI KRLL KRNT KSL KTRH
KTSB KTUL KVI KVG KWKH
WABC WACO WBBM WBNS WBRC
WBT WCAO WCAU WCCO WDAE
WDBJ WDBO WDRC WEAN WFBL
WFBR WGST WHAS WHEC WHK
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLWZ WMBG
WMBR WNAO WOKO WORC WOWO
WQAM WREC WTOC WWL

R — Your Hollywood Parade
KDYL KERN KFBC KFI KFJR
KGBX KGLH KGR KGCN KGU
KGV KHQ KIDO KMJ KOA KOB
KOMO KPO KPRC KSD KSTP
KTAR KTBS KTHS KVG KYW
WAPI WAVE WBBN WCAE WCCO
WCSH WDAF WDEL WEAF WECB
WFAA WFBF WFLA WFEA WFLA
WGL WGY WHO WHIA WIOD WIRE
WIS WJAR WJAX WJDX WKY
WLW WMAQ WMBG WMC WNAO
WOAI WOOD WOKO WOW WPTF
WRC WSB WSM WSMB WSOO
WSUN WTAG WTAM WTAR WTIC
WTMJ WWJ WWNC

E-10:30 p.m., C-9:30, M-8:30, P-7:30

C — Hobby Lobby; Harry Salter
KDAL KFAB KFH KFPY KGKO
KIRO KLZ KMOX KNOW KNX
KOH KOIN KOMA KRLL KOY
KRNT KSPD KSL KTRH KTSB
KTUL KVI KWKH WALA WBBM
WBRC WCOO WCOO WFBM WGST
WLAS WLBW WISN WLAC WMBD
WNBX WNOX WOC WREC WSBT
WSFA WWL

M — Lone Ranger, See Mon.

E-11:00 p.m., C-10:00, M-9:00, P-8:00

C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday

THURSDAY

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Boake Carter, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
B — Lowell Thomas, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday
B — Easy Aces, See Tuesday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Geo. McCall, See Tues.

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — "We, The People."

KFAB KMBC KMOX KNOW KOMA
KRLL KRNT KSCJ KTRH KTSB
KTUL WABC WBBM WBNS WCAO
WCAU WCCO WDAE WDBO WDRC
WEEI WFBL WGAR WGR WHAS
WHEC WHIO WHP WIBX WISN
WJAS WJR WJSV WRC WMBD
WMBR WOC WOKO WPRO WQAM

E-8:00 p.m., C-7:00, M-6:00, P-5:00

C — Kate Smith; Jack Miller
CFBR CTRM CADL KFAB KFH
KGKO KLRA KMBC KMOX KNOW
KOMI KRLL KRNT KSCJ KTRH
KTSB KTUL KWKH WABC WACO
WADC WBBM WBNS WBRC WBT

THURSDAY (Continued)

WCAO WCAU WCCO WDAE WDBJ
 WDBO WDOD WDRC WEBC WEEA
 WFBL WFBN WGAR WGR WGST
 WHAS WHEC WHIO WHIP WHW
 WISN WJAS WJR WJSV WKBN
 WKRC WLAC WLWB WMBD WMHR
 WNAX WNOX WOC WOKO WORC
 WPRO WQAM WRVA WREC WSPA
 WTAQ WWL

R — Rudy Vallee's Variety Hour
 CFBC CRCT KDYL KFI KFJR
 KGW KHQ KOA KOMO KPO KSD
 KSTP KTAR KYW WBBN WCAE
 WCSH WDAF WDAY WFAE WFCB
 WEEI WFRB WGY WJR WJAR
 WLW WMAQ WOV WWR WTAM
 WTC WTMJ WWJ

Also on Canadian Network

B — The March of Time

KDKA KECA KERN KFBC KFEL
 KFSB KGA KGO KJR KLO KMY
 KOIL KSO KWG KWK KXJ
 WABY WAGA WBAL WBZ WBZA
 WCKY WCOL WCSB WDSU WEAN
 WEBR WFIL WHAM WHK WICC
 WJZ WLS WMAL WMPW WMT
 WREN WSPD WSYR WXYZ

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Boake Carter, see Monday

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Major Bowes' Amateurs

CFRB CKAC KDB KERN KFAB
 KFBC KFH KFPY KPRC KGB
 KGKO KLRA KLZ KMBC KMJ
 KMOX KOIN KOL KOMA KRLD
 KRNT KSCJ KSL KTRH K TSA
 KTUL KVI KVOR KWG KWKH
 WABC WACO WADC WALA WBBM
 WBIG WBNS WBRC WBT WCAO
 WCAU WCCO WCOA WDAE WDBJ
 WDBO WDNC WDOD WDRC WFAE
 WFBL WFBM WFGA WGST WHAS
 WHEC WHK WHF WHW WHX
 WICC WISN WJAS WJR WJSV
 WKBN WKBW WKRC WLAC WLWB
 WMAS WMBD WMBG WMRR
 WMNN WNAC WNAX WOC WOKO
 WORC WOVO WPG WQAM WREC
 WSPA WSJS WSPD WTAC WWL

R — MGM Program

CRCT KDYL KERN KFBC KFI
 KFBC KGHK KGIR KGNB KGW
 KMJ KOA KOMO KPO KPRC KSD
 KSTP KTAR KYW WBBN WCAE
 WCSH WDAF WDAY WFAE WFCB
 WEEI WFRB WGY WJR WJAR
 WLW WMAQ WOV WWR WTAM
 WTC WTMJ WWJ WWCN

E-10:00 p.m., C-9:00, M-8:00, P-7:00
R — Bob Burns; Bing Crosby

CFBC CRCT KDYL KFI KFJR
 KGW KHQ KOA KOMO KPO KPRC
 KSD KSTP KTAR KTBS KTHS
 KVOO KYW WAVE WBAF WBBN
 WCAE WCSH WDAF WDAY WFAE
 WFCB WEEI WFRB WFGA WGY
 WHK WBA WOD WHS WJAR
 WJAX WJDX WKY WLW WMAQ
 WMBG WMC WNAC WQAM WSD
 WOV WPTF WRC WSB WSM
 WSMB WSOC WSUN WTAC WTAM
 WTRAR WTC WTMJ WWJ WWCN

Also on Canadian Network

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Kate Smith; Jack Miller
 KFBB KFPY KGVO KIRO KLZ
 KNX KOIN KOY KSFO KSL KVI
 KVOR

FRIDAY

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Boake Carter, see Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
B — Lowell Thomas, See Monday
C — Lum and Abner, see Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
R — Uncle Extra, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
M — Lone Ranger, see Mon.

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Boake Carter, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Hammerstein Music Hall
 KDB KERN KFAB KFBC KFPY
 KPRC KGB KHJ KLZ KMBC KMJ
 KMOX KOIN KOL KOMA KRNT
 KSL KVI KWG WABC WBBM
 WBNS WBRC WBT WCAO WCAU
 WCCO WDCR WEAN WFBL WFBM
 WFRB WGST WHAS WHK WJAS
 WJR WJSV WKRC WMAS WMBG
 WNAC WOKO WWL

R — Cities Service Concert

CRCT CFYR KOA KPRC KSD
 KSTP KTBS KTHS KVOO KYW
 WBAF WBBN WCAE WCSH WDAF
 WDAY WFAE WFCB WEEI WFAA
 WFRB WGY WHK WIBL WJAX
 WJAX WKY WMAQ WQAM WWR
 WRC WRVA WSAI WTAG WTAM
 WTC WTMJ WWJ

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Paul Whiteman; Deems Taylor

KFAB KFH KGKO KLRA KMBC
 KMOX KOMA KRLD KRNT KSCJ
 KTRH K TSA KTUL KWKH WABC
 WACO WADC WALA WBBM WBIG
 WBNS WBRC WBT WCAO WCAU
 WCCO WCOA WDAE WDBJ WDBO
 WDNC WDOD WDRC WEEI WFBL
 WFBM WFGA WGR WGST WHAS
 WHEC WHIO WHK WHF WHW
 WISN WJAS WJR WJSV
 WKBN WKRC WLAC WLWB WMAS
 WMBD WMBG WMRR WMNN
 WNAX WNBH WNOX WOC WOKO
 WORC WOVO WPG WPRO WQAM
 WREC WSPA WSJS WSPD WTCO
 WWL

B — Death Valley Days

KDKA KDYL KFI KGW KHQ KOIL
 KOMO KPO KSO KWK WBAL WBZ
 WBZA WFIL WGAR WIAM WJZ
 WLS WLW WMAL WMT WREN
 WSYR WXYZ

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Boake Carter, see Monday

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Hollywood Hotel

CFRB CKAC KDB KERN KFAB
 KFBC KFH KFPY KPRC KGB
 KHJ KLRA KLZ KMBC KMJ KMOX
 KOIN KOL KOMA KRLD KRNT
 KSCJ KSL KTRH K TSA KTUL KVI
 KVOR KWG KWKH WABC WADC
 WBBM WBNS WBRC WBT WCAO
 WCAU WCCO WDAE WDBJ WDBO
 WDRC WEAN WFBL WFBM WFGA

WGST WHAS WHEC WHK WHP
 WIBW WIBX WICC WJAS WJR
 WJSV WKBW WKRC WLAC WLWB
 WMAS WMBD WMBG WMRR
 WNAC WNAX WNOX WOKO WORC
 WPG WQAM WREC WSPD WWL
 Also on Canadian Network

R — Frank Munn; Abe Lyman
 KSD KYW WBBN WCAE WCSH
 WDAF WFAE WFGA WFRB WGY
 WJAR WLW WMAQ WOV WWR
 WTAG WTAM WWJ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
R — True Story Court
 KSD KYW WBBN WCAE WCSH
 WFAE WEEI WFRB WGY WHK
 WHIO WJAR WMAQ WOV WWR
 WTAG WTAM WTMJ WWJ

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Frank Crumit; Reed Kennedy
 KDAL KFAB KFBB KFH KFPY
 KGKO KGIO KGVO KLRA KLZ
 KMOX KNDW KNX KOH KOIN
 KOL KOMA KOY KRLD KRNT
 KSCJ KSO KSL KTRH K TSA
 KTUL KVI KVOR KWKH WABC
 WACO WADC WALA WBBM WBIG
 WBNS WBRC WBT WCAO WCAU
 WCCO WCHS WCOA WCOG WDAE
 WDBJ WDOD WDNC WDOD WDRC
 WEEI WFOA WFLB WFBM WGAR
 WGHJ WGST WHAS WHEC WHK
 WHF WHW WISN WJAS WJR
 WJAX WJR WJSV WKBW WKBN
 WKRC WLAC WLWB WMAS WMBD
 WMBR WMNN WNBH WNOX WOC
 WOKO WORC WPAR WPG WPRO
 WQAM WREC WRVA WBSB WSPA
 WSJS WTCO WWL

CBC — Canada 1938

CBF CBI CHM CBO CBR CBW
 CFAC CFBC CFCH CFEN CFEO
 CFYC CFJC CFNB CFPL CFQC
 CHAB CHNS CHRC CHSJ CHWK
 CJAT CJCA CJCR CJIC CJKL
 CJOI CJKB CKCK CKGW CKGB
 CKOV CKOC CKPR CKSO CKX
 CKY

R — First Nighter; Drama

KDYL KFI KFJR KGW KHQ KOA
 KOMO KPO KPRC KSD KSTP
 KTBS KTHS KYW WAVE WBBN
 WCAE WCSH WDAF WDAY WFAE
 WFCB WEEI WFRB WFGA WGY
 WHK WIBL WJAX WJDX WKY
 WLW WMAQ WMC WPTF WRC
 WRVA WSB WSM WSMB WSOC
 WTAG WTAM WTRAR WTC WTMJ
 WWJ WWCN

E-10:30 p.m., C-9:30, M-8:30, P-7:30
M — Lone Ranger, see Mon.

R — Jimmy Fidler

KDYL KFI KGW KHQ KOA KOMO
 KPO KSD KSTP KYW WBBN
 WCAE WCSH WDAF WDBL WFAE
 WFRB WGY WIBA WIRE WJAR
 WLW WMAQ WNAC WOV WWR
 WTAG WTAM WTC WTMJ WWJ

E-10:45 p.m., C-9:45, M-8:45, P-7:45
R — Dorothy Thompson—News

KDYL KFI KGW KHQ KOA KOMO
 KPO KSD KSTP KYW WBBN WCAE
 WCSH WDAF WDBL WFAE WFRB
 WGY WIRE WJAR WLW WMAQ
 WNAC WOV WWR WTAG WTAM
 WTC WTMJ WWJ

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Poetic Melodies, See Monday
R — Amos 'n' Andy, See Monday

FRIDAY (Continued)

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Boake Carter, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Paul Whiteman; Deems Taylor
KFBB KPFF KGAR KGMB KGVO
KIRO KLZ KNX KOH KOIN KOY
KSFO KSL KVI KFOR

E-12:00 p.m., C-11:00, M-10:00, P-9:00
C — Northern Messenger
To Mideast and Western Networks

SATURDAY

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Saturday Night Swing Club
Available to Columbia Network

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Carborundum Band
KFAB KMBC KMOX WABC WBBM
WBT WCAO WCAU WCCO WEEI
WFBL WGAR WGR WHAS WJAS
WJR WKRC WRO

B — Uncle Jim's Question Bee
KDKA WBZ WBZA WGY WBK
WJZ WMAQ

E-8:00 p.m., C-7:00, M-6:00, P-5:00
R — "Believe-it-or-not." Ripley
KANS KDYL KFYZ KGNC KOA
KPRC KSD KSTP KYW WAPI
WAVE WBAP WBEW WCAE WCHS
WDAF WDAY WDEL WDAF WDFB
WDFC WDFR WGY WHO WIBA
WIRE WJAR WKY WLW WMAQ
WMBG WNAO WNC WOA1 WOOD
WOW WPTF WRC WSB WSMW
WSOC WSPD WTAG WTAM WTAR
WTIC WTMJ WWJ

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Johnny Presents Russ Morgan
KFAB KFH KMBC KMOX KRNT
WABC WADC WBBM WBIG WBNS
WBT WCAO WCAU WCCO WCOA
WDRS WEEI WFBL WFBM WGR
WGST WHAS WHFC WHIO WHK
WHP WISN WJAS WJR WJSV
WKRC WMBD WMBG WMBF WOC
WOKO WPRO WSBT WWSA

R — Jack Haley; Virginia Verrill
KDYL KGNC KOA KPRC KSD
KSTP KYW WAPI WAVE WBAP
WBEW WCAE WCHS WDAF WDEL
WDAF WDFC WDFB WDFR WGY
WHO WIBA WIRE WJAR WKY
WLW WMAQ WMBG WNC WOA1
WOW WPTF WRC WSB WSMW
WSOC WSPD WTAG WTAM
WTAR WTIC WTMJ WWJ

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Prof. Quiz

KDB KERN KFAB KFBB KPFF
KFCR KGB KHJ KLRA KLZ KMBC
KNJ KNOX KOIN KOL KOMA
KRLL KRNT KSL KTRH KTSA
KVI KWG WABC WBBM WBNS
WBT WCAO WCAU WCCO WDAE
WDBO WDRS WEAN WFBL WFBM
WJAS WJR WJSV WKBW WKRC
WMBR WOKO WQAM WREC WSPD
WWL

B — National Barn Dance
KDKA KOIL KPRC KSO KTHS
KTHS KWK WABY WAPI WAVE

WBAL WBAP WBZ WBZA WFIL
WFLA WHK WHAM WIOD WIRE
WIS WJAX WJDX WJZ WKY WLS
WMAL WMC WMT WOAI WOOD
WPTF WRNC WRVA WSB WSMW
WSOC WSUN WSUR WTAR WWNC
WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C — Saturday Night Serenade
KFAB KFH KFYZ KGKO KLRA
KLZ KMBC KMOX KNOW KNX
KOIN KOL KOMA KRLL KSFO
KTRH KTSA KTUL KVI KWKH
WALA WBBM WBIG WBNS WBRC
WBT WCAO WCAU WCOA WDAE
WDBO WDOE WEEI WFBL WFBM
WGAR WGST WHAS WHFC WHAS
WJR WJSV WKBW WLAC WMBD
WMBR WMMN WNOX WOC WQAM
WREC WRVA WSEA WTOC WWL
WWVA

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Your Hit Parade
KERN KFAB KFBB KFH KPFF
KFCR KGB KGKO KGMB KHJ
KLRA KLZ KMBC KNJ KNOX
KOH KOIN KOL KOMA KRLL
KRNT KSCJ KSL KTRH KTSA
KTUL KVI KFOR KWG KWKH
WABC WACO WADC WALA WBBM
WBG WBNS WBRC WBT WCAO
WCAU WCCO WCOA WDAE WDBJ
WDBO WDNC WDOE WDRS WEAN
WFBL WFBM WFEA WGST WHAS
WHFC WHK WHP WIBW WIBX
WICC WISN WJAS WJR WJSV
WKBW WKRC WLAC WLBZ WMAS
WMBD WMBG WMBR WNAO
WNAO WNOX WOC WOKO WORC
WPG WQAM WREC WSBT WSEA
WSJS WSPD WTOC WWL WWVA

R — NBC Symphony Orchestra
Available to entire Red and Blue
Network and to Canadian Network

E-11:00 p.m., C-10:00, M-9:00, P-8:00
B — National Barn Dance
KDYL KFI KFSD KFYZ KGHL
KGIR KGU KGW KHQ KOA KOMO
KPO KSTP KTR WDAY WEBC
WIBA WLW WTMJ

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Johnny Presents Russ Morgan
KFBB KPFF KGVO KIRO KLZ
KNX KOIN KSFO KSL KVI KFOR

E-12:00 p.m., C-11:00, M-10:00, P-9:00
C — Professor Quiz
KFBB KPFF KIRO KNX KOH
KOIN KOY KSFO KSL KVI
R — "Believe-It-Or-Not." Ripley
KERN KFBB KFI KGW KHQ KNJ
KOMO KPO KWG

SUNDAY

E-11:30 a.m., C-10:30, M-9:30, P-8:30
C — Major Bowes' "Family"
CFRB KERN KFAB KFBB KFBB
KFH KPFF KFCR KGB KGVO
KMBC KOH KOL KRLL KSL KTRH
KTSA KVI KFOR KWG KWKH
WABC WACO WADC WALA WBNS
WBRC WCAO WCCO WDAE WDBJ
WDBO WDNC WBSG WFBL WFEA
WHAS WHK WIBX WJAS WJR
WKRC WLBZ WMBD WMBR

WMMN WOC WOKO WORC WPG
WQAM WSBT WSJS WSPD WTOC

E-12:30 p.m., C-11:30 a.m., M-10:30,
P-9:30

C — Salt Lake Tabernacle Choir
CFRB KFAB KFBB KFBB KFH
KPFF KFCR KGB KLZ KOH KOL
KRLL KSL KTRH KTSA KVI KFOR
KWG WABC WACO WADC WALA
WBIG WBNS WBRC WCAO WCCO
WDAE WDBJ WDBO WFSG WFBL
WFEA WGR WHAS WICC WJAS
WJR WKRC WLAC WMBR WMMN
WOC WOKO WORC WQAM WSBT
WSJS WSPD WTOC

E-1:00 p.m., C-Noon, M-11:00 a.m.,
P-10:00

C — Church of the Air
KFBB KFH KPFF KFCR KGB
KNJ KMOX KOH KOL KOMA KRLL
KRNT KSCJ KSL KTRH KTSA KVI
KFOR KWG WABC WALA WBNS
WBT WCAO WCCO WDAE WDBJ
WDBO WDRS WESG WFBL WFBM
WGR WHAS WHP WIBX WJAS
WJSV WKBW WKRC WLAC WLBZ
WMBR WNBW WOC WOKO WORC
WPG WQAM WREC WSBT WSJS
WSPD WTOC WWVA

E-2:00 p.m., C-1:00, M-Noon, P-11:00
a.m.

B — Magic Key of RCA
CFRC CRCT KDKA KDYL KFI
KFYZ KGU KGW KHQ KOA KOIL
KOMO KPO KPRC KSO KSTP KTHS
KTHS KVOO KWK WAPI WAVE
WBA1 WBZ WBAZ WCKY WDAY
WDFC WENR WFAA WFIL WFLA
WGAR WHAM WHIO WIBA WIOD
WIRE WIS WJAX WJDX WJZ WKY
WMAL WMC WMT WOI WPTF
WRFN WRVA WSB WSM WSMW
WSOC WSYR WTAR WTMJ WWNC
WXYZ

E-2:30 p.m., C-1:30, M-12:30, P-11:30
C — Jean Hersholt, "Dr. Christian."
CFRB KFAB KFH KMBC KMOX
KNOW KOMA KRLL KRNT KSCJ
KTRH KTSA KWKH WABC WADC
WBBM WBNS WBRC WBT WCAO
WCAU WCCO WCHS WDAE WDBO
WDRS WEEI WFBL WFBM WGAR
WGST WHAS WHFC WHIO WHP
WIBW WJAS WJR WJSV WKBW
WKRC WLAC WLBZ WMAS WMBR
WOC WORC WPRO WQAM WREC
WVVA WWL

E-3:00 p.m., C-2:00, M-1:00, P-Noon
C — N. Y. Philharmonic

CFRB CKAC KFAB KFBB KFH
KFCR KGVO KLRA KLZ KMBC
KNOX KNOW KOL KRLL KSCJ
KSL KTRH KTSA KWKH WABC
WADC WALA WBNS WBT WCAO
WCCO WCHS WDAE WDBJ WDBO
WDRS WEEI WESG WFBL WFBM
WFCB WHK WHP WIBW WIBX
WJAS WJR WJSV WKBW WKBW
WKBW WKRC WLAC WLBZ WMAS
WMBD WMBG WMBR WMMN
WNBW WOC WOKO WORC WPAR
WPRO WQAM WSBT WSJS WTAQ
WTOC WWL

Also on Canadian Network

R — The Radio News Reel
KSD KSTP KYW WBEW WCAE

SUNDAY (Continued)

WCBS WDAF WDEL WFAE WFBR WGY WHO WIRE WJAR WMAQ WNC WOV WRC WSAI WTAG WTAM WTIC WWJ

E-4:30 p.m., C-3:30, M-2:30, P-1:30

R — The World Is Yours; Drama Available to Red Network

E-5:00 p.m., C-4:00, M-3:00, P-2:00

C — Magazine of the Air

CFRB CKAC KFAB KFPY KLZ KMBC KMOX KNOW KNX KOIN KOL KOMA KRLD KRNT KSFO KSL KTRH K TSA KTVL KVI WABC WADC WBBM WBNS WCAO WCAU WCOO WDAE WDRC WEEI WGR WGR WGST WHAS WHEC WHIO WJAS WJR WJSV WKRC WMBR WOKO WPRO WQAM WWL

R — Marion Talley

KDYL KFI KGW KHQ KOA KOMO KPO KSTP KYW WBBN WCAE WCOP WCBS WDAF WDEL WFAE WFCB WFBR WGY WHO WIBA WIRE WJAR WMAQ WNC WOOD WOV WRC WSAI WTAG WTAM WTIC WTMJ WWJ

B — Metropolitan Opera Auditions

CFCF CRCT KARK KDKA KECA KEX KFEL KFI KFSO KFYR KGA KGIR KGNC KGO KJR KLO KOIL KPRC KSO KTBS KVGO KWK WABY WAPI WAVE WBAL WBAP WBZ WBZA WCKY WCSC WDAY WEAN WEBR WENR WFIL WFLA WHAM WHK WICC WIOD WIS WJAX WJDX WJZ WKY WMAL WMC WMT WOI WOWO WPTF WREN WRTD WSB WSM WSMB WSOC WSPD WSUN WSYR WTAR WTCN WWNC WXYZ

E-5:30 p.m., C-4:30, M-3:30, P-2:30

C — Guy Lombardo and Orchestra

KFH KMBC KMOX KOMA KTUL WAAB WABC WBNS WCAO WCAU WDRC WEAN WFBL WFBM WGR WHAS WHEC WHK WIBX WICC WJR WJSV WMAS WOKO WORC WSPD WWVA

B — Smiling Ed McConnell

KANS KDKA KECA KERN KEX KFKB KFSO KFYR KGA KGIR KGO KJR KLO KMJ KOIL KSO KTAR KWG KWK WAVE WBAL WBZ WBZA WCKY WCOP WDAY WDSU WEAN WFCB WBR WENR WFIL WHAM WHK WICC WJZ WMAL WMT WREN WRTD WSM WSPD WSYR WTCN WXYZ

R — Mickey Mouse Theater

KANS KDYL KFI KGNC KGW KHQ KOA KOMO KPO KPRC KSD KSTP KVOO KYW WAVE WBAP WBBN WBR WCAE WCBS WDAF WDEL WFAE WFCB WFBR WFLA WGY WHO WIBA WIOD WIRE WJS WJAR WJAX WKY WLW WMAQ WMBG WMC WNAO WOI WOOD WOV WPTF WRC WSB WSM WSMB WSUN WTAG WTAM WTAR WTIC WTMJ WWJ

E-6:00 p.m., C-5:00, M-4:00, P-3:00

C — Joe Penner; Gene Austin

KFAB KFPY KGLO KLZ KMBC KMOX KNOW KNX KOIN KOL KOMA KRLD KRNT KSFO KSL KTRH K TSA KVI WABC WBBM WBNS WBR WBT WCAO WCAU WCOO WDAE WDRC WEEI WFBL WFBM WGR WGST WHAS WHEC WJAS WJR WJSV WKBW WKRC WOKO WORC WPRO WQAM WREC WRVA

M — George Jessel; Tommy Tucker To entire MBS and Michigan Networks

E-6:30 p.m., C-5:30, M-4:30, P-3:30

C — Double Everything

CFRB CKAC KDAL KFAB KFH KFPY KGAR KGM KIRO KLRA KLZ KMBC KMOX KNOW KNX KOH KOMA KOY KRLD KRNT KSCJ KSFO KSL KTRH K TSA KTVL KVI WABC WADC WBBM WBT WCAO WCAU WCOO WDAE WDRC WEEI WFBL WFBM WGR WGST WHAS WHEC WHIO WJAS WJO WJR WJSV WKBW WKRC WLAC WMBR WMPG WNAW WNOX WOKO WPRO WQAM WREC WRVA WTCO WWL WWVA

R — A Tale of Today

WBBN WFAE WGY WJAR WMAQ WOV WRC WTAM

E-7:00 p.m., C-6:00, M-5:00, P-4:00

R — Jack Benny; Mary Livingstone

KSD KYA KYW WBBN WCAE WCBS WDAF WFAE WFBR WGY WHO WJAR WLW WMAQ WNC WOV WRC WTAG WTAM WTIC WWJ

Also on Canadian Network

E-7:30 p.m., C-6:30, M-5:30, P-4:30

C — Phil Baker; Oscar Bradley

KLRA KLZ KRLD KTRH K TSA KTVL KWKH WABC WACO WADC WALA WBIG WBNS WBR WBT WCAO WCAU WCOA WDAE WDBJ WDRC WDNC WOOD WDR WEAN WFBL WFBM WFEA WGR WGST WHAS WHEC WHK WHP WIBX WICC WJAS WJR WJSV WKBW WKRC WLAC WMBR WNAO WNOX WOKO WPRO WQAM WSPD WTCO WWL WWVA

B — Ozzie Nelson; Harriet Hilliard

KARK KDKA KECA KFEL KEX KFSO KFNH KGA KGO KJR KLO KOIL KPRC KSO KSTP KTR KTRB KTHS KVOO KWK WABY WAPI WAVE WBAL WBAP WBZ WBZA WCKY WCOP WDAY WEAN WFCB WBR WENR WFIL WHAM WHK WICC WJZ WMAL WMT WREN WRTD WSM WSPD WSYR WTCN WXYZ

E-8:00 p.m., C-7:00, M-6:00, P-5:00

R — Don Ameche; Edgar Bergen CFCF CRCT KDYL KFI KFYR

KGW KHQ KOA KOMO KPO KPRC KSD KSTP KTR KTBS KVOO KYW WAVE WBBN WCAE WCBS WDAF WDAY WFAE WFCB WFAA WFBR WFLA WGY WHO WIBA WIOD WIRE WLV WJAR WJAX WJDX WKY WLW WMAQ WMC WNAO WOI WOW WPTF WRC WRVA WSAI WSM WSMB WSOC WSUN WTAG WTAM WTAR WTIC WTMJ WWJ WWNC

Also on Canadian Network

E-9:00 p.m., C-8:00, M-7:00, P-6:00

C — Ford Concert

CFRB CKAC KDB KERN KFAB KFBK KFH KFPY KFRG KGB KGKO KIJ KLRA KLZ KMBC KMJ KMOX KOH KOIN KOL KOMA KRLD KRNT KSCJ KSL KTRH K TSA KTVL KVI KVOI KWG KWKH WABC WACO WADC WALA WBBM WBIG WBNS WBR WBT WCAO WCAU WCOO WCOA WDAE WDBJ WDOO WDNC WOOD WDR WEAN WFBL WFBM WFEA WGR WGST WHAS WHEC WHK WHP WIBX WIBX WICC WISN WJAS WJR WJSV WKBW WKRC WLAC WLW WMAQ WMBD WMBR WNAO WNAW WOC WOKO WORC WQAM WREC WSBT WSPA WSJS WSPD WTCO WWL WWVA

B — Tyrone Power; Drama

KDKA KECA KFSO KGA KGHJ KGIR KGO KJR KLO KOIL KSO KTAR KWK WBAL WBZ WBAZ WEBC WENR WENR WFIL WGR WHAM WICC WJZ WLW WMAL WMT WREN WSYR WXYZ

R — Manhattan Merry-Go-Round

CFCF KDYL KFI KFYR KGW KHQ KOA KOMO KPO KPRC KSD KSTP KTBS KTHS KYW WAVE WBBN WCAE WCKY WCBS WDAF WDAY WFAE WFCB WEEI WFAA WFBR WFLA WGY WHO WIBA WIOD WIRE WIS WJAR WJAX WJDX WKY WMAQ WMC WOI WOV WPTF WRC WRVA WSB WSM WSMB WSOC WTAG WTAM WTAR WTIC WTMJ WWJ WWNC

E-9:30 p.m., C-8:30, M-7:30, P-6:30

R — Album of Familiar Music

CFCF CRCT KDYL KFI KFYR KGW KHQ KOA KOMO KPO KPRC KSD KSTP KTBS KYW WAPI WAVE WBBN WCAE WCBS WDAF WDAY WFAE WFCB WEEI WFAA WFBR WFLA WGY WHO WIBA WIOD WIRE WIS WJAR WJAX WJDX WKY WMAQ WMC WOI WOV WPTF WRC WRVA WSAI WSB WSM WSMB WSOC WTAG WTAM WTAR WTMJ WWJ WWNC

B — Walter Winchell

KDKA KECA KEX KFSO KGA KGHJ KGIR KGO KJR KLO KOIL KSO KTAR KWK WBAL WBZ WBAZ WENR WENR WFIL WGR WHAM WJZ WLW WMAL WMT WREN WSYR WXYZ

E-9:45 p.m., C-8:45, M-7:45, P-6:45

B — Irene Rich, Drama

KDKA KOIL KSO KWK WBAL WBZ WBZA WCKY WEAN WEBR

SUNDAY (Continued)

WENR WEIL WHAM WHK WICC
WJZ WMAL WMT WREN WSPD
WSYR WTCN WXYZ

E-10:00 p.m., C-9:00, M-8:00, P-7:00

C — Zenith Foundation

KFAB KFPY KLRA KLZ KMBC
KNOX KNOW KNX KOIN KOL
KOMA KRLD KRNT KSFQ
KSL KTRH KTSB KTUL KVI
WABC WBBM WBNS WBRC WBT
WCAU WCCO WDAE WDBO WDRC
WEEI WFBL WFBM WGAR WGST
WHAS WHEC WJAS WJR WJSV
WKBW WKRC WMBR WNOX
WOKO WORC WPRO WQAM WWL
R — Rising Musical Stars
KDYL KFI KGBX KGW KHQ KOA

KPO KPRC KSD KSTP KTAR KTBS
KTBS KYW WAVE WRAP WHEN
WCAE WCHS WDAF WEAF WFBR
WFLA WGY WHO WIBA WIDX
WIRE WIS WJAR WJAX WJDY
WKY WMAQ WMC WNAC WOAI
WOOD WOW WPTF WRC WRVA
WSB WSM WSMB WSOB WTAG
WTAM WTAR WTCB WTMJ WWJ
WWNC

E-10:30 p.m., C-9:30, M-8:30, P-7:30

B — Tyrone Power; Drama

KARK KPRC KTBS WAPI WAVE
WBAF WJDY WKY WMC WOAI
WSB WSM WSMB

E-11:00 p.m., C-10:00, M-9:00, P-8:00

B — Irene Rich, Drama

KECA KERN KEX KFBK KFSO

KGA KGO KJR KLO KMJ KVOD
KWG WAPI WAVE WJDX WMC
WSB WSM WSMB

E-11:15 p.m., C-10:15, M-9:15, P-8:15

B — Walter Winchell

KDYL KFI KFSO KGHL KGIR
KGW KHQ KOA KOMO KPO KPRC
KTAR KTBS KTHS WAPI WAVE
WBAF WJDY WKY WMC WOAI
WSB WSM WSMB

E-11:30 p.m., C-10:30, M-9:30, P-8:30

R — Jack Benny-Mary Livingstone

KDYL KERN KFBK KFI KFSO
KGHL KGIR KGU KGW KHQ
KIDO KMJ KOA KOMO KPO KTAR
KWG

CLASSIFIED INDEX TO CHAIN PROGRAMS

Time in Eastern Standard

C—Columbia; R—National (Red); B—National (Blue); M—Mutual

COMEDY

Fred Allen, 9:00 p.m. Wed., Red
Phil Baker, 7:30 p.m. Sun., CBS
Jack Benny-Mary Livingstone, 7 and 11:30 p.m. Sun.,
Red
Edgar Bergen-Charlie McCarthy, 8 p.m. Sun., Red
Fannie Brice, 9 p.m. Thurs., Red
Henry Burdick, 7:45 p.m. Wed., Red
Bob Burns, 10:00 p.m. Thurs., Red
Burns and Allen, 8 and 10:30 p.m., Mon., Red
Charles Butterworth, 9:30 p.m. Tues., Red
Eddie Cantor, 7:30 p.m. Mon., CBS
Jack Haley, 8:30 p.m. Sat., Red
Arlene Harris, 9 and 12 p.m. Tues., CBS
George Jessel, 6:00 p.m. Sun., MBS
Al Jolson, 8:30 and 11:30 p.m. Tues., CBS
Lew Lehr, 9:30 p.m. Wed., CBS
Parkyakarkus, 8:30 and 11:30 p.m. Tues., CBS
Al Pearce, 9 and 12 p.m. Tues., CBS
Joe Penner, 6:00 p.m. Sun., CBS
Joe Rines, 5:30 p.m. Sun., Red
Oliver Waketield, 8:30 and 11:30 p.m., Fri., CBS

CONCERTS

Frank Black, 2:00 p.m. Sun., Blue
Ford Sunday Evening Hour, 9:00 p.m. Sun., CBS
Andre Kostelanetz, 9:00 p.m. Wed., CBS
Met. Opera Auditions, 5:00 p.m. Sun., Blue
NBC Symphony Orchestra, 10:00 p.m. Sat., Red and
Blue
N. Y. Philharmonic, 3:00 p.m. Sun., CBS
Philadelphia Symphony, 9:00 p.m. Sun., Blue

DANCE BANDS

Robert Arnbruster, 8:00 p.m. Sun., Red
Ben Bernie, 9:30 p.m. Wed., CBS
Oscar Bradley, 7:30 p.m. Sun., CBS
Don Donnie, 9 p.m. Sun., Red
Tommy Dorsey, 8:30 p.m. Wed., Red
Eddie Duchin, 10 p.m. Tues., MBS
Ted Fio Rito, 8:30 p.m. Sat., Red
Al Goodman, 10:08 p.m. Sat., CBS; 10 p.m. Wed., Red

Benny Goodman, 10:00 p.m. Tues., CBS
Jimmy Grier, 6:00 and 11:00 p.m. Sun., CBS
Gustav Haenschen, 9:30 p.m. Sun., Red; 10:00 p.m.
Fri., CBS
Phil Harris, 7 and 11:30 p.m. Sun., Red
Horace Heidt, 9:00 p.m. Tues., Blue
Carl Hoff, 9 and 12 p.m. Tues., CBS
Wayne King, 8:30 p.m. Tues., Red; 10 p.m. Mon.,
CBS
Benny Krueger, 8:30 p.m. Mon., CBS
Guy Lombardo, 5:30 p.m. Sun., CBS
Abe Lyman, 9:00 p.m. Fri., Red
Frankie Masters, 8:30 p.m. Tues., Blue
Jack Miller, 8 and 11:15 p.m. Thurs., CBS
Billy Mills, 9 p.m. Mon., Red
Russ Morgan, 8:30 and 11:30 p.m. Sat., CBS; 8:00 p.m.
Tues., Red
Ozzie Nelson, 7:30 p.m. Sun., Blue
Ray Noble, 8 and 10:30 p.m. Mon., Red
Raymond Paige, 9:00 p.m. Fri., CBS
B. A. Rolfe, 8:00 and 12:00 p.m. Sat., Red
Harry Salter, 7:15 and 10:30 p.m. Wed., CBS; 8 p.m.
Mon., Blue
Seymour Simons, 6:30 p.m. Sun., CBS
Harry Sosnik, 9 and 10:30 p.m. Sun., Blue
Phil Spitalny, 9:30 p.m. Mon., Red
Johnny Trotter, 10:00 p.m. Thurs., Red
Tommy Tucker, 6:00 p.m. Sun., MBS
Rudy Vallee, 8:00 p.m. Thurs., Red
Peter Van Steeden, 9:00 p.m. Mon., Red
Don Voorhees, 8:00 p.m. Wed., CBS
Mark Warnow, 7:30 and 10:30 p.m. Thurs., CBS;
5 p.m. Sun., CBS
Paul Whiteman, 8:30 and 11:30 Fri., CBS
Meredith Willson, 9:00 p.m. Thurs., Red
Victor Young, 8:30 and 11:30 p.m. Tues., CBS

DIALOG

Amos 'n' Andy, 7:00 and 11:00 p.m. Mon. through
Fri., Red
Easy Aces, 7:00 p.m. Tues., Wed., Thurs., Blue
Pibber McGee and Molly, 9:00 p.m. Mon., Red
Lum and Abner, 6:45 p.m. Mon., Wed., Fri., CBS
Plek and Pat, 8:30 and 11:30 p.m. Mon., CBS
Stroud Twins, 8:00 p.m. Sun., Red

DRAMA

Campana's First Nighter, 10:00 p.m. Fri., Red
 Campana's Grand Hotel, 8:30 p.m. Mon., Blue
 Death Valley Days, 8:30 p.m. Fri., Blue
 Gang Busters, 10:00 p.m. Wed., CBS
 Eddie Guest, 8:30 p.m. Tues., Blue
 Jean Hersholt, 2:30 p.m. Sun., CBS
 Hollywood Hotel, 9:00 p.m. Fri., CBS
 Hollywood Playhouse, 9:00 and 11:30 p.m. Sun., Blue
 Lone Ranger, 7:30 and 10:30 p.m. Mon., Wed., Fri.,
 MBS
 Lux Radio Theater, 9:00 p.m. Mon., CBS
 Helen Menken, 7:30 p.m. Tues., CBS
 One Man's Family, 8:00 p.m. Wed., Red
 Tyrone Power, 9:00 and 10:00 p.m. Sun., Blue
 Irene Rich, 9:45 and 11:00 p.m. Sun., Blue
 Edward G. Robinson, 8:00 p.m. Tues., CBS
 A Tale of Today, 6:30 p.m. Sun., Red
 Claire Trevor, 8:00 p.m. Tues., CBS
 We, The People, 7:30 and 10:30 p.m. Thurs., CBS

POPULAR PROGRAMS

American Album of Familiar Music, 9:30 p.m. Sun.,
 Red
 Believe It Or Not, 8:00 and 12:00 p.m. Sat., Red
 Major Bowes' Amateurs, 9:00 p.m. Thurs., CBS
 Major Bowes' Family, 11:30 a.m. Sun., CBS
 Brave New World, 10:30 p.m. Mon., CBS
 Carborundum Band, 7:30 p.m. Sat., CBS
 Cavalcade of America, 8:00 p.m. Wed., CBS
 Chase and Sanborn Hour, 8:00 p.m. Sun., Red
 Cheer Up, America, 7:45 p.m. Wed., Red
 Cities Service Concert, 8:00 p.m. Fri., Red
 Contented Program, 10:00 p.m. Mon., Red
 Death Valley Days, 8:30 p.m. Fri., Blue
 Double Everything, 6:30 p.m. Sun., CBS
 Gang Busters, 10:00 p.m. Wed., CBS
 Jack Haley's Variety Show, 8:30 p.m. Sat., Red
 Hammerstein Music Hall, 8:00 p.m. Fri., CBS
 Hobby Lobby, 7:15 and 10:30 p.m. Wed., CBS
 Hour of Charm, 9:30 p.m. Mon., Red
 How To Win Friends and Influence People, 10:45 p.m.,
 Tues., Red
 I Can Be Done, 8:30 p.m. Tues., Blue
 Jello Program, 7:00 and 11:30 p.m. Sun., Red
 Johnny Presents—, 8:00 p.m. Tues., Red; 8:30 and
 11:30 p.m. Sat., CBS
 Kraft Music Hall, 10:00 p.m. Thurs., Red
 Warden Lawes, 10:00 p.m. Mon., Blue
 Log Cabin Review, 8:30 p.m. Sat., Red
 Magazine of the Air, 5 p.m. Sun., CBS
 Magic Key of RCA, 2:00 p.m. Sun., Blue
 Manhattan Merry-Go-Round, 9:00 p.m. Sun., Red
 March of Time, 8:00 p.m. Thurs., Blue
 Melody Puzzles, 8 p.m. Mon., Blue
 MGM Program, 9:00 p.m. Thurs., Red
 Mickey Mouse Theater, 5:30 p.m. Sun., Red
 National Barn Dance, 9:00 and 11:00 p.m. Sat., Blue
 Northern Messenger, 11:00 p.m. Sat., CBS
 Jack Oakie's College, 9:30 p.m. Tues., CBS
 Poetic Melodies, 7:00 and 11:00 p.m. Mon. through
 Fri., CBS
 Professor Quiz, 9:00 and 12:00 p.m. Sat., CBS
 Radio News Reel, 3:00 p.m. Sun., Red
 Salt Lake City Tabernacle, 12:30 p.m. Sun., CBS
 Saturday Night Serenade, 9:30 p.m. Sat., CBS
 Saturday Night Swing Club, 7:00 p.m. Sat., CBS
 Kate Smith Hour, 8:00 and 11:15 p.m. Thurs., CBS
 Songshop, 10:00 p.m. Fri., CBS
 Station E-Z-R-A, 7:15 p.m. Mon., Wed., Fri., Red
 Swing School, 10:00 p.m. Tues., CBS
 Texaco Town, 8:30 and 11:30 p.m. Wed., CBS
 Town Hall Tonight, 9:00 p.m. Wed., Red
 True Story Court, 9:30 p.m. Fri., Red
 Uncle Jim's Question Bee, 7:30 p.m. Sat., Blue
 Vick's Open House, 7:00 p.m. Sun., CBS
 Voice of Firestone, 8:30 p.m. Mon., Red
 Vox Pop, 9:00 p.m. Tues., Red

Waltz Time, 9:00 p.m. Fri., Red
 Watch the Fun go By, 9:00 and 12:00 p.m. Tues., CBS
 We, The People, 7:30 p.m. Thurs., CBS
 Your Hit Parade, 10:00 p.m. Sat., CBS
 Your Hollywood Parade, 10:00 p.m. Wed., Red
 Zenith Foundation, 10:00 p.m. Sun., CBS

SINGERS

Stuart Allen, 10:00 p.m. Sat., CBS
 Gene Austin, 6:00 p.m. Sun., CBS
 Kenny Baker, 7:00 and 11:30 p.m. Sun., Red
 Morton Bowe, 5 p.m. Sun., CBS
 Henry Burr, 9:00 and 11:00 p.m. Sat., Blue
 Rachel Carlay, 9:00 p.m. Sun., Red
 John Carter, 8 p.m. Sun., Red
 Buddy Clark, 8 p.m. Mon., Blue; 9:30 p.m. Wed.,
 CBS
 Jerry Cooper, 9:00 p.m. Fri., CBS
 Alice Cornett, 10:00 p.m. Fri., CBS
 Richard Crooks, 8:30 p.m. Mon., Red
 Bing Crosby, 10:00 p.m. Thurs., Red
 Frank Crumit, 10:00 p.m. Fri., CBS
 Jean Dickenson, 9:30 p.m. Sun., Red
 Mary Eastman, 9:30 p.m. Sat., CBS
 Wilbur Evans, 7:00 p.m. Sun., CBS
 Jack Fulton, 7:00 and 11:00 p.m. Mon. through Fri.,
 CBS
 Freddie Gibson, 10:00 p.m. Sat., CBS; 8 p.m. Mon.,
 Blue
 Julie Gibson, 5:30 and 11 p.m. Sun., CBS
 Harriet Hillard, 7:30 p.m. Sun., Blue
 Al Jolson, 8:30 and 11:30 p.m. Tues., CBS
 Alan Jones, 9 p.m. Thurs., Red
 Reed Kennedy, 10:00 p.m. Fri., CBS
 Dorothy Lamour, 8:00 p.m. Sun., Red
 Rosemary Lane, 10:00 p.m. Wed., Red
 Frances Langford, 9:00 p.m. Fri., CBS
 Pierre Le Kreeun, 9:00 p.m. Sun., Red
 Lullaby Lady, 10:00 p.m. Mon., Red
 Lulu Belle, 9:00 and 11:00 p.m. Sat., Blue
 Jeanette MacDonald, 7:00 p.m. Sun., CBS
 Smiling Ed McConnell, 5:30 p.m. Sun., Blue
 Lucille Manners, 8:00 p.m. Fri., Red
 Tony Martin, 8:00 and 10:30 p.m. Mon., Red
 Frank Munn, 9:30 p.m. Sun., Red; 9:00 p.m. Fri., Red
 Jane Pickens, 9:30 p.m. Wed., CBS
 Dick Powell, 10:00 p.m. Wed., Red
 Martha Raye, 8:30 and 11:30 p.m. Tues., CBS
 Jane Rhodes, 9:30 p.m. Tues., Red
 Kate Smith, 8:00 and 11:15 p.m. Thurs., CBS
 Margaret Speaks, 8:30 p.m. Mon., Red
 Marion Talley, 5:00 p.m. Sun., Red
 Lawrence Tibbett, 9:00 p.m. Wed., CBS
 Virginia Verrill, 8:30 p.m. Sat., Red

TALKS

Dale Carnegie, 10:45 p.m. Tues., Red
 Boake Carter, 6:30 and 8:45 p.m. daily, CBS
 Jimmy Fidler, 10:30 p.m. Tues., Fri., Red
 Gabriel Heatter, 7:30 and 10:30 p.m. Thurs., CBS
 John B. Kennedy, 8:00 p.m. Sun., Blue
 Geo. McCall, 7:15 and 11:15 p.m. Tues., Thurs., CBS
 Harriet Parsons, 8:30 p.m. Wed., Blue
 Robert L. Ripley, 8:00 and 12:00 p.m. Sat., Red
 Deems Taylor, 9:00 p.m. Wed., CBS; 8:30 and 11:30
 p.m. Fri., CBS
 Lowell Thomas, 6:45 p.m. Mon. through Fri., Blue
 Dorothy Thompson, 10:45 p.m. Fri., Red; 7:30 p.m.,
 Tues., Blue
 Walter Winchell, 9:30 and 11:15 p.m. Sun., Blue

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KEY TO SYMBOLS

As shown in the Index by
Frequencies and Dial Numbers

Frequency is given in kilocycles; wave lengths in meters. Night power is shown in watts in third column. Daytime power is shown in parentheses in fourth column in kilowatts, thus (.25) indicating 250 watts. Some stations outside the United States use a "split frequency." Their exact frequency is shown in fourth column.

| | | |
|--|---|---|
| <p>Second Column Symbols</p> <p>a Verifies reception for return postage.</p> <p>b Verifies only occasionally.</p> <p>c Does not verify.</p> <p>d Verification 10c; letter 25c.</p> <p>h Sends own station stamp for 10c.</p> <p>i Sends own station stamp for 5c.</p> <p>j Sends own station stamp for postage.</p> <p>k Has no stamps.</p> <p>m Verifies for 5c.</p> | <p>n Weather or time only.</p> <p>z No information available.</p> <p>Fourth Column Symbols</p> <p>B National "Blue" network.</p> <p>C Columbia network.</p> <p>D Day time only.</p> <p>Dn Day time with occasional evening hours.</p> <p>F Canadian Brdcastg. Corp.</p> <p>M Mutual Brdcastg. Sys.</p> <p>N National "Red" and "Blue" networks.</p> <p>P Has construction permit only.</p> | <p>R National "Red" network.</p> <p>S Sunday only.</p> <p>Sy Synchronized.</p> <p>X Has permit to increase power.</p> <p>Y Has permit to change location.</p> <p>Z Has permit to change frequency.</p> <p>a-b-c. Small letters show stations using same transmitter.</p> <p>1-2-3. Figures denote stations sharing time.</p> <p>..... No information.</p> |
|--|---|---|

The sign-on and sign-off time of stations is shown in Eastern Standard Time. "ss" means "sunset."

540 keys. (555.2)

| | | | | | |
|------|----|------|-------|-----------------|------------------|
| GJRM | ak | 1000 | F | Regina, Sask. | -9:30 am-1:30 am |
| ZNS | ak | 400 | ..... | Nassau, Bahamas | -1:30 pm-9:30 pm |

550 keys. (545.1)

| | | | | | |
|------|----|------|--------|--------------------|--------------------|
| CFNB | ak | 500 | F (1) | Fredericton, N. B. | - 7:00 am-11:00 pm |
| KFUO | ak | 500 | 2 (1) | St. Louis, Mo. | - 8:00 am-Midnight |
| KFYR | ak | 1000 | N (5) | Bismarck, N. Dak. | - 8:00 am-1:00 am |
| KOAC | ak | 1000 | ..... | Corvallis, Ore. | - Noon-Midnight |
| KSD | ak | 1000 | 2R (5) | St. Louis, Mo. | |
| KTSA | ak | 1000 | C (5) | San Antonio, Tex. | |
| WDEV | ak | 500 | D | Waterbury, Vt. | |
| WGR | ak | 1000 | C (5) | Buffalo, N. Y. | - 7:00 am-midnight |
| WKRC | ak | 1000 | C (5) | Cincinnati, Ohio | - 6:30 am-..... |
| WSVA | ak | 500 | D | Harrisonburg, Va. | |
| XEFC | ak | 100 | ..... | Merida, Yuc. | |

560 keys. (535.4)

| | | | | | |
|------|----|------|-------|---------------------|--------------------|
| KFDM | ak | 500 | (1) N | Beaumont, Texas | |
| KLZ | ak | 1000 | C (5) | Denver, Colo. | - 8:30 am-2:00 am |
| KSFO | ak | 1000 | C (5) | San Francisco, Cal. | - 10:00 am-4:00 am |
| KWTO | ak | 5000 | D | Springfield, Mo. | - 6:00 am-..... |
| WFIL | ak | 1000 | BM | Philadelphia, Pa. | - 7:00 am-midnight |
| WIND | ak | 1000 | (5) | Gary, Ind. | - 6:00 am-4:00 am |
| WIS | ak | 1000 | N (5) | Columbia, S. C. | - 7:00 am-midnight |
| WQAM | ak | 1000 | C | Miami, Fla. | - 6:00 am-midnight |

570 keys. (526.0)

| | | | | | |
|------|----|------|----------|---------------------|--------------------|
| CMCY | ak | 5000 | X | Havana, Cuba | |
| KGKO | ak | 250 | CXY(1) | Wichita Falls, Tex. | |
| KMTR | ak | 1000 | ..... | Los Angeles, Calif. | |
| KVI | ak | 1000 | C (5) | Tacoma, Wash. | - 9:00 am-3:00 am |
| WKBN | ak | 500 | C1 | Youngstown, Ohio | |
| WMCA | ak | 1000 | ..... | New York, N. Y. | |
| WNAX | ak | 1000 | C (5) | Yankton, S. Dak. | - 6:45 am-..... |
| WOSU | ak | 750 | I (1) | Columbus, Ohio | - 9:00 am-11:00 pm |
| WSYR | ak | 1000 | B (WSYU) | Syracuse, N. Y. | - 7:00 am-1:00 am |
| WWNC | ak | 1000 | N | Asheville, N. C. | - 7:30 am-1:00 am |

580 keys. (516.9)

| | | | | | |
|------|----|------|-------|----------------------|--------------------|
| CFPR | ak | 50 | ..... | Prince Rupert, B. C. | - 8:00 am-midnight |
| CHRC | ak | 100 | ..... | Quebec, P. Q. | - 8:00 am-midnight |
| CKCL | ak | 100 | F | Toronto, Ont. | - 8:00 am-midnight |
| CKUA | ak | 500 | F | Edmonton, Alta. | |
| KMJ | ak | 1000 | N | Fresno, Calif. | - 10:00 am-3:00 am |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|-------|----|-------|--------|-----------------------|-------------------|
| K SAC | ak | 500 | 2 (1) | Manhattan, Kans. | —10:30 am—6:30 pm |
| WCHS | ak | 500 | C (1) | Charleston, W. Va. | — |
| WDBO | ak | 1000 | C | Orlando, Fla. | —7:00 am—midnight |
| WIBW | ak | 1000 | 2C (5) | Topeka, Kans. | —6:00 am— |
| WILL | ak | 1000 | D | Urbana, Ill. | —9:00 am—ss |
| WTAG | ak | 1000 | R | Worcester, Mass. | —7:30 am—1:00 am |
| XELO | ak | 10000 | ..... | Tijuana, B. Cfa. | — |
| XEMU | z | 250 | ..... | Piedras Negras, Coah. | — |

590 kcys. (508.2)

| | | | | | |
|------|----|------|-------|------------------|------------------|
| KHO | ak | 1000 | R (5) | Spokane, Wash. | — |
| WEEL | ak | 1000 | C (5) | Boston, Mass. | —6:45 am— |
| WKZO | ak | 1000 | BDX | Kalamazoo, Mich. | — |
| WOW | ak | 1000 | R (5) | Omaha, Nebr. | —7:00 am—3:30 am |

600 kcys. (499.7)

| | | | | | |
|------|----|-------|--------|----------------------|------------------|
| CFCF | ak | 500 | BF | Montreal, P. O. | — |
| CJOR | ak | 500 | ..... | Vancouver, B. C. | —7:45 am—1:00 am |
| CMO | ak | 25000 | ..... | Havana, Cuba | — |
| FON | ad | 250 | 609 | St. Pierre, Miquelon | — |
| KFSD | ak | 1000 | B | San Diego, Calif. | — |
| WCAO | ak | 500 | C (1) | Baltimore, Md. | — |
| WICC | ak | 500 | BM (1) | Bridgeport, Conn. | —6:00 am—1:00 am |
| WMT | ak | 1000 | BM (5) | Cedar Rapids, Iowa | —6:30 am—1:00 am |
| WREC | ak | 1000 | C (5) | Memphis, Tenn. | —7:30 am—1:00 am |
| XET | ak | 5000 | ..... | Monterrey, N. L. | — |

610 kcys. (491.5)

| | | | | | |
|------|----|------|---------|---------------------|------------------|
| KFRG | c | 1000 | M (5) | San Francisco, Cal. | — |
| WCLE | ak | 500 | DM | Cleveland, Ohio. | —6:45 am—ss |
| WDAF | ak | 1000 | R (5) | Kansas City, Mo. | —7:30 am—1:00 am |
| WIOD | ak | 1000 | N(WMBF) | Miami, Fla. | — |
| WIP | ak | 1000 | ..... | Philadelphia, Pa. | —7:00 am—1:00 am |
| XEXM | z | 500 | 2 | Mexico City, D. F. | — |
| XEYO | z | 500 | 2 | Mexico City, D. F. | — |

620 kcys. (483.6)

| | | | | | |
|------|----|------|--------|----------------------|------------------|
| KGW | ak | 1000 | R (5) | Portland, Ore. | —9:00 am—2:00 am |
| KTAR | ak | 1000 | N | Phoenix, Ariz. | —9:00 am—1:15 am |
| TIPG | z | 2000 | 625 | San Jose, Costa Rica | — |
| WFLA | ak | 1000 | Na (5) | Clearwater, Fla. | —7:00 am—1:00 am |
| WHJB | ak | 250 | CD | Greensburg, Pa. | —8:00 am—5:00 pm |
| WLBZ | ak | 500 | CM (1) | Bangor, Maine | — |
| WSUN | ak | 1000 | Na (5) | St. Petersburg, Fla. | —7:00 am—1:00 am |
| WTMJ | ak | 1000 | N (5) | Milwaukee, Wis. | —7:15 am—1:30 am |

630 kcys. (475.9)

| | | | | | |
|-------|----|-------|--------|-----------------------|--------------------|
| CFCO | ak | 100 | F | Chatham, Ont. | —8:00 am—10:30 pm |
| CFGY | ak | 1000 | F | Charlottetown, P.E.I. | —9:00 am—11:00 pm |
| CJRG | ak | 500 | F (1) | Winnipeg, Man. | —8:30 am—2:00 am |
| CKOV | ak | 100 | F | Kelowna, B. C. | —11:00 am—1:30 am |
| CMCD | ak | 250 | ..... | Havana, Cuba | —10:00 am—11:30 pm |
| KFRU | ak | 500 | i (1) | Columbia, Mo. | —7:00 am—9:30 pm |
| KGFX | ak | 200 | D | Pierre, S. Dak. | — |
| WGFB | ak | 500 | N1 (1) | Evansville, Ind. | — |
| WMAL | ak | 250 | B (.5) | Washington, D. C. | —6:30 am—2:00 am |
| WPRO | ak | 500 | C (1) | Providence, R. I. | —7:00 am—1:00 am |
| XEZ | z | 500 | P | Merida, Yuc. | — |
| ..... | z | 10000 | P | Havana, Cuba | — |

640 kcys. (468.5)

| | | | | | |
|------|----|-------|-------|---------------------|------------------|
| KFI | ak | 50000 | R | Los Angeles, Calif. | —9:45 am—3:00 am |
| WGAN | z | 500 | DP | Portland, Maine | — |
| WHKC | ak | 500 | ..... | Columbus, Ohio | —6:30 am—8:15 pm |
| WOI | ak | 5000 | D | Ames, Iowa | — |
| XEBX | z | 250 | ..... | Sabinas, Coah. | — |
| YSS | ak | ..... | ..... | San Salvador, E. S. | — |

650 kcys. (461.3)

| | | | | | |
|-----|----|-------|-------|------------------|------------------|
| TIX | z | ..... | ..... | San Jose, C. R. | — |
| WSM | ak | 50000 | MN | Nashville, Tenn. | —7:30 am—1:00 am |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

660 kcys. (454.3)

| | | | | | |
|------|----|-------|-------|--------------------|------------------|
| WAAW | ak | 500 | D | Omaha, Nebr. | -7:00 am-ss |
| WEAF | ak | 50000 | R | New York, N. Y. | -7:30 am-1:00 am |
| XEAL | z | 1000 | ..... | Mexico City, D. F. | |
| XEAO | ak | 250 | ..... | Mexicali, B. Cfa. | |

670 kcys. (447.5)

| | | | | | |
|------|----|-------|---|---------------|------------------|
| WMAQ | ak | 50000 | R | Chicago, Ill. | -7:00 am-1:00 pm |
|------|----|-------|---|---------------|------------------|

680 kcys. (440.9)

| | | | | | |
|------|-----|-------|-------|---------------------|-------------------|
| CMBQ | z | 5000 | P | Havana, Cuba | -7:00 am-midnight |
| CMCG | ak | 1000 | ..... | Havana, Cuba | -7:00 am-ss |
| KFEQ | ak | 2500 | D | St. Joseph, Mo. | -11:00 am-3:00 am |
| KPO | ak | 50000 | R | San Francisco, Cal. | |
| VAS | akn | 2000 | 685 | Glace Bay, N. S. | |
| VOWR | ck | 500 | 681 | St. John's, Nfld. | |
| WLAW | z | 1000 | D | Lawrence, Mass. | |
| WPTF | ak | 1000 | N (5) | Raleigh, N. C. | -6:30 am-11:00 pm |

690 kcys. (434.5)

| | | | | | |
|------|----|-------|---|----------------|-------------------|
| CFRB | ak | 10000 | C | Toronto, Ont. | -8:00 am-midnight |
| CJCF | ak | 100 | F | Calgary, Alta. | -9:30 am-1:00 am |

700 kcys. (428.3)

| | | | | | |
|-----|----|--------|-----------|----------------|------------------|
| WLW | ak | 500000 | MN (W8XO) | Cincinnati, O. | -5:45 am-1:30 am |
|-----|----|--------|-----------|----------------|------------------|

710 kcys. (422.3)

| | | | | | |
|------|----|-------|-------|-----------------------|------------------|
| KIRO | ak | 1000 | C | Seattle, Wash. | -9:00 am-5:00 am |
| KMPC | ak | 500 | ..... | Beverly Hills, Calif. | -9:00 am-4:00 am |
| WOR | ak | 50000 | M | Newark, N. J. | |

720 kcys. (416.4)

| | | | | | |
|-----|----|-------|-------|------------------|-------------------|
| CMK | ak | 3000 | ..... | Havana, Cuba | |
| WGN | ak | 50000 | M | Chicago, Ill. | |
| XEH | ak | 250 | ..... | Monterrey, N. L. | -10:00 am-9:00 pm |

730 kcys. (410.7)

| | | | | | |
|------|----|--------|-------|------------------------|-------------------|
| CFPL | ak | 100 | F | London, Ont. | -9:00 am-3:00 am |
| CJCA | ak | 1000 | F | Edmonton, Alta. | -9:00 am-2:00 am |
| CKAC | ak | 5000 | C | Montreal, P. Q. | -7:30 am-1:00 am |
| CKPR | ak | 100 | F | Fort William, Ont. | -9:00 am-11:00 pm |
| CMCL | z | 10000 | P | Havana, Cuba | |
| XEPN | ak | 100000 | ..... | Piedras Negras, Coah. | -5:45 am-..... |
| XERB | z | 100000 | ..... | Rosarito Bch., B. Cfa. | |

740 kcys. (405.2)

| | | | | | |
|------|----|-------|---|--------------------|------------------|
| KMMJ | ak | 1000 | D | Clay Center, Nebr. | -6:00 am-..... |
| KTRB | ak | 250 | D | Modesto, Calif. | -9:00 am-8:30 pm |
| WHEB | ak | 250 | D | Portsmouth, N. H. | |
| WSB | ak | 50000 | R | Atlanta, Ga. | -6:55 am-1:00 am |

750 kcys. (399.8)

| | | | | | |
|------|----|-------|-------|-------------------|-------------------|
| CMBL | z | 2500 | ..... | Havana, Cuba | -8:00 am-12:15 am |
| KGU | aj | 2500 | N | Honolulu, Hawaii | -11:30 am-4:30 am |
| WJR | ak | 50000 | C | Detroit, Mich. | -5:45 am-2:00 am |
| XEAA | ak | 200 | ..... | Mexicali, B. Cfa. | |
| XEAM | z | 25 | ..... | Matamoros, Tams. | |

760 kcys. (394.5)

| | | | | | |
|------|----|-----|-------|------------------|--|
| CMHX | ak | 200 | | Cienfuegos, Cuba | |
|------|----|-----|-------|------------------|--|

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|-------|-------|------------------|--------------------|
| KXA | ak | 250 | (.5)X | Seattle, Wash. | —6:00 pm |
| WBAL | ak | 2500 | BMSy | Baltimore, Md. | —9:00 pm—1:00 am |
| WEW | ak | 1000 | D | St. Louis, Mo. | —8:00 am—ss |
| WJZ | ak | 50000 | BSy | New York, N. Y. | —7:30 am—1:00 am |
| XEOK | ak | 2500 | ..... | Tijuana, B. Cfa. | —All night station |

770 kcys. (389.4)

| | | | | | |
|------|----|-------|-------|----------------|------------------|
| CMBF | z | 10000 | ..... | Havana, Cuba | |
| KFAB | ak | 10000 | CSy | Lincoln, Nebr. | —7:00 am—1:00 am |
| WBBM | ak | 50000 | CSy | Chicago, Ill. | |

780 kcys. (384.4)

| | | | | | |
|------|----|------|--------|---------------------|--------------------|
| CHWK | dk | 100 | F | Chilliwack, B. C. | —11:00 am—1:15 am |
| CKSO | ak | 1000 | F | Sudbury, Ont. | —9:00 am—midnight |
| CMJK | ak | 250 | ..... | Camaguey, Cuba | —11:00 am—10:00 pm |
| KEHE | ak | 1000 | (5) | Los Angeles, Calif. | |
| KFDY | ak | 1000 | D | Brookings, S. Dak. | —1:30 pm—3 pm |
| KFQD | ck | 250 | ..... | Anchorage, Alaska | —11:00 pm—5:00 am |
| KGHL | ak | 1000 | N (5) | Billings, Mont. | —10:00 am—1:00 am |
| KWLK | z | 250 | DP | Longview, Wash. | |
| WEAN | ak | 1000 | BM (5) | Providence, R. I. | —6:00 am— |
| WMC | ak | 1000 | R (5) | Memphis, Tenn. | —7:45 am—1:00 am |
| WTAR | ak | 1000 | N | Norfolk, Va. | |
| XEN | z | 1000 | ..... | Mexico City, D. F. | |

790 kcys. (379.5)

| | | | | | |
|------|----|-------|-------|---------------------|-------------------|
| CMGH | ak | 500 | ..... | Matanzas, Cuba | —10:00 am—3:00 am |
| KGO | ak | 7500 | B | San Francisco, Cal. | —7:00 am—1:00 am |
| KOAM | z | 1000 | DN | Pittsburg, Kans. | |
| WGY | ak | 50000 | R | Schenectady, N. Y. | —7:00 am—1:00 am |

800 kcys. (374.8)

| | | | | | |
|------|----|-------|-------|-------------------|-------------------|
| HIX | ak | 800 | ..... | Trujillo, D. R. | |
| WBAP | ak | 50000 | Na | Fort Worth, Texas | —6:45 am—midnight |
| WFAA | ak | 50000 | Na | Dallas, Texas | —9:00 am—12:30 am |
| WTBO | ak | 250 | D | Cumberland, Md. | —8:30 am—ss |

810 kcys. (370.2)

| | | | | | |
|------|----|-------|-------|---------------------|-------------------|
| CMCF | ak | 600 | X | Havana, Cuba | |
| WCCO | ak | 50000 | C | Minneapolis, Minn. | —7:30 am—1:00 am |
| WNYC | ak | 1000 | D | New York, N. Y. | —7:00 am—7:00 pm |
| XEBZ | ad | 100 | ..... | Mexico City, D. F. | — |
| XEDF | z | 100 | ..... | Nuevo Laredo, Tams. | —11:00 am—8:15 pm |

820 kcys. (365.6)

| | | | | | |
|------|----|-------|-------|-------------------|----------------|
| CMHW | ak | 100 | ..... | Santa Clara, Cuba | |
| WHAS | ak | 50000 | C | Louisville, Ky. | —6:45 am—..... |
| XEBG | z | 1000 | ..... | Tijuana, B. Cfa. | |

830 kcys. (361.2)

| | | | | | |
|------|----|-------|-------|-------------------|-------------------|
| CMJX | ak | 500 | ..... | Camaguey, Cuba | —9:00 am—11:30 pm |
| KOA | ak | 50000 | RJ | Denver, Colo. | —9:00 am—2:00 am |
| WEEU | ak | 1000 | D | Reading, Pa. | —8:00 am—5:00 pm |
| WHDH | ak | 1000 | Dn | Boston, Mass. | |
| WRUF | ak | 5000 | Dn | Gainesville, Fla. | —7:00 am—6:30 pm |

840 kcys. (356.9)

| | | | | | |
|------|----|--------|-------|--------------------|--------------------|
| CBL | ak | 50000 | F | Toronto, Ont. | |
| CFQC | ak | 1000 | F | Saskatoon, Sask. | |
| VOGY | ak | 400 | ..... | St. John's, Nfld. | |
| XERA | ck | 250000 | ..... | Villa Acuna, Coah. | —All night station |

850 kcys. (352.7)

| | | | | | |
|------|----|-------|-------|------------------|-------------------|
| CMCM | ak | ..... | ..... | Havana, Cuba | —8:00 am—midnight |
| KIEV | ak | 250 | D | Glendale, Calif. | |
| WESG | ak | 1000 | CD | Elmira, N. Y. | —7:30 am—6:00 pm |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|-------|----|-------------------|-------------------|
| WKAR | ak | 1000 | D | E. Lansing, Mich. | --7:00 am—5:00 pm |
| WWL | ak | 10000 | CX | New Orleans, La. | --6:30 am—1:00 am |

860 keys. (348.6)

| | | | | | |
|------|----|-------|------|------------------------|-------------------|
| WABC | ak | 50000 | C | (WBOQ) New York, N. Y. | --7:30 am—1:00 am |
| WHB | ak | 1000 | DM | Kansas City, Mo. | |
| XEMO | ak | 5000 | .... | Tijuana, B. Cfa. | --9:45 am—3:00 am |
| XENC | z | 50 | .... | Mexico City, D. F. | |

870 keys. (344.6)

| | | | | | |
|------|----|-------|------|--------------------|-------------------|
| WENR | ak | 50000 | Ba | Chicago, Ill. | --Noon—midnight |
| WLS | ak | 50000 | Ba | Chicago, Ill. | --6:30 am—3:00 pm |
| XEFB | ak | 200 | .... | Monterrey, N. L. | |
| XEJW | z | 500 | .... | Mexico City, D. F. | |

880 keys. (340.7)

| | | | | | |
|------|----|------|--------|----------------------|---------------------|
| CBO | ak | 1000 | F | Ottawa, Ont. | --10:30 am—midnight |
| CFJC | ak | 1000 | F | Kamloops, B. C. | --12:30 pm—1:15 am |
| CMW | ak | 1400 | X | Havana, Cuba | --7:00 am—midnight |
| KFKA | ak | 500 | 2M (1) | Greeley, Colo. | --7:30 am—1:00 am |
| KLX | ak | 1000 | .... | Oakland, Calif. | --10:30 am—2:30 am |
| KPOF | ak | 1000 | 2 | Denver, Colo. | |
| TIEP | ak | 1000 | .... | San Jose, Costa Rica | |
| WCOG | ak | 500 | CX (1) | Meridian, Miss. | |
| WGBI | ak | 500 | GI (1) | Scranton, Pa. | --12:30 pm—10:30 pm |
| WQAN | ak | 500 | I (1) | Scranton, Pa. | --12:30 pm—10:00 pm |
| WRNL | ak | 500 | D | Richmond, Va. | --7:30 am—ss |
| WSUI | ak | 500 | (1) | Iowa City, Iowa | --10:00 am—11:00 pm |

890 keys. (336.9)

| | | | | | |
|------|----|-------|--------|---------------------|-------------------|
| KARK | ak | 500 | N (1) | Little Rock, Ark. | --7:00 am—1:00 am |
| KFNF | ak | 500 | 2 (1)X | Shenandoah, Iowa | --6:30 am—1:00 am |
| KFPY | ak | 1000 | C (5) | Spokane, Wash. | --9:50 am—3:00 am |
| KUSD | ak | 500 | 2 | Vermillion, S. Dak. | |
| WBAA | ak | 500 | (1) | W. Lafayette, Ind. | --Noon—6:00 pm |
| WGST | ak | 1000 | C (5) | Atlanta, Ga. | |
| WJAR | ak | 1000 | R (5) | Providence, R. I. | --7:30 am—1:00 am |
| WMMN | ak | 500 | C (1) | Fairmont, W. Va. | --7:00 am—1:00 am |
| XEK | ak | 100 | .... | Mexico City, D. F. | ..... |
| XEW | ak | 50000 | .... | Mexico City, D. F. | |

900 keys. (333.1)

| | | | | | |
|------|----|------|-------|---------------------|-------------------|
| KGBU | ak | 500 | X | Ketchikan, Alaska |—4:00 am |
| KHJ | ak | 1000 | M (5) | Los Angeles, Calif. | --9:30 am—1:00 am |
| KSEI | ak | 250 | (1) | Pocatello, Idaho | --7:00 am—1:00 am |
| WBN | ak | 1000 | R (5) | Buffalo, N. Y. | --6:00 am—ss |
| WELI | ak | 500 | D | New Haven, Conn. | --6:30 am—ss |
| WFMD | ak | 500 | D | Frederick, Md. | --6:45 am—1:00 am |
| WJAX | ak | 1000 | N (5) | Jacksonville, Fla. | --7:45 am—1:00 am |
| WKY | ak | 1000 | N (5) | Oklahoma City, Ok. | --9:00 am—2:00 pm |
| WLBL | ak | 5000 | D | Stevens Point, Wis. | --8:00 am—5:45 pm |
| WTAD | ak | 1000 | D | Quincy, Ill. | |

910 keys. (329.6)

| | | | | | |
|------|----|--------|------|---------------------|--------------------|
| CBF | ak | 50000 | FN | Montreal, P. O. |—1:00 am |
| CKY | ak | 15000 | F | Winnipeg, Man. | --8:30 am—1:00 am |
| CJAT | ak | 1000 | F | Trail, B. C. | --10:00 am—2:00 am |
| XENT | ak | 150000 | .... | Nuevo Laredo, Tams. | |

920 keys. (325.9)

| | | | | | |
|------|----|------|-------|-------------------|-------------------|
| CMX | ak | 1000 | X | Havana, Cuba | --8:00 am—1:00 am |
| KFEL | ak | 500 | Ma | Denver, Colo. | --8:00 am—2:30 am |
| KOMO | ak | 1000 | R (5) | Seattle, Wash. | |
| KPRC | ak | 1000 | R (5) | Houston, Texas | |
| KVOD | ak | 500 | Ba | Denver, Colo. | --6:00 am—ss |
| WAAF | ak | 1000 | D | Chicago, Ill. | |
| WORL | ak | 500 | D | Boston, Mass. | |
| WPEN | ak | 1000 | 2 | Philadelphia, Pa. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|------|---|--------------------|-------------------|
| WRAX | ak | 1000 | 2 | Philadelphia, Pa. | — |
| WSPA | ak | 1000 | D | Spartanburg, S. C. | —6:00 am—12:30 am |
| WWJ | ak | 5000 | R | Detroit, Mich. | —6:00 am— |

930 kcys. (322.4)

| | | | | | |
|------|----|------|------|------------------|-------------------|
| CFAC | ak | 1000 | F | Calgary, Alta. | —9:00 am—2:00 am |
| CFGH | ak | 100 | F | North Bay, Ont. | |
| CFLC | ak | 100 | F | Prescott, Ont. | —7:00 am—10:00 pm |
| CHNS | ak | 1000 | F | Halifax, N. S. | —7:30 am—11:00 pm |
| CKPC | ak | 100 | F | Brantford, Ont. | |
| KMA | ak | 1000 | (5) | Shenandoah, Iowa | —6:00 am— |
| KROW | ak | 1000 | | Oakland, Calif. | —9:00 am—5:00 am |
| WBRC | ak | 1000 | R(5) | Birmingham, Ala. | —8:00 am—12:30 am |
| WDBJ | ak | 1000 | C(5) | Roanoke, Va. | —7:00 am—midnight |
| XEBH | ak | 500 | | Hermosillo, Son. | —1:00 pm—midnight |

940 kcys. (319.0)

| | | | | | |
|------|----|------|--------|--------------------|-------------------|
| KOIN | ak | 1000 | C(5) | Portland, Ore. | |
| VOAS | ak | 100 | | St. John's, Nfld. | |
| WAAT | ak | 500 | D | Jersey City, N. J. | —6:30 am—6:00 pm |
| WAVE | ak | 1000 | N | Louisville, Ky. | —8:00—1:00 am |
| WCSS | ak | 1000 | R(2,5) | Portland, Maine | —8:00 am—midnight |
| WDAY | ak | 1000 | N(5) | Fargo, N. Dak. | —6:00 am—1:00 am |
| WHA | ak | 5000 | D | Madison, Wis. | —9:00 am—5:30 pm |
| WIGA | ak | 250 | D | Ashtabula, Ohio | |
| XEFO | ak | 5000 | | Mexico City, D. F. | |

950 kcys. (315.6)

| | | | | | |
|------|----|-------|-------|-------------------|-------------------|
| CJOC | ak | 100 | F | Lethbridge, Alta. | —9:00 am—1:00 am |
| CMBC | z | 10000 | | Havana, Cuba | —6:55 am—midnight |
| CRCK | ak | 1000 | F | Quebec, P. Q. | |
| KFWB | ak | 1000 | (5) | Hollywood, Calif. | —9:30 am—4:00 am |
| KMBC | ak | 1000 | C(5) | Kansas City, Mo. | —6:55 am—1:00 am |
| WHAL | z | 500 | DP | Saginaw, Mich. | |
| WRC | ak | 500 | RX(1) | Washington, D. C. | —6:00 am— |

960 kcys. (312.3)

| | | | | | |
|------|----|--------|---|---------------------|-------------------|
| CFRN | ak | 100 | F | Edmonton, Alta. | —9:30 am—2:00 am |
| CHNC | ak | 1000 | F | New Carlisle, P. Q. | —7:30 am—11:00 pm |
| CMKS | z | | | Guantanamo, Cuba | |
| CRCY | ck | 100 | F | Toronto, Ont. | |
| XEAW | c | 100000 | | Reynosa, Tams. | —5:45 am— |

970 kcys. (309.1)

| | | | | | |
|------|----|------|---|----------------|-------------------|
| CMBY | z | 150 | | Havana, Cuba | —8:55 am—11:00 pm |
| KJR | ak | 5000 | B | Seattle, Wash. | |
| WCFL | ak | 5000 | N | Chicago, Ill. | |
| WIBG | ak | 100 | D | Glenside, Pa. | |

980 kcys. (306.0)

| | | | | | |
|------|----|-------|---|---------------------|--|
| KDKA | bk | 50000 | B | Pittsburgh, Pa. | |
| XEAC | ak | 1000 | | Tijuana, B. Cfa. | |
| XEFE | z | 250 | z | Nuevo Laredo, Tams. | |

990 kcys. (302.8)

| | | | | | |
|------|----|-------|-----|--------------------|------------------|
| WBZ | ak | 50000 | BSy | Boston, Mass. | —6:00 am—1:00 am |
| WBZA | ak | 1000 | BSy | Springfield, Mass. | —6:00 am—1:00 am |
| XEAF | ak | 750 | | Nogales, Son. | |
| XES | ak | 250 | | Tampico, Tams. | |

1000 kcys. (299.8)

| | | | | | |
|------|----|------|-------|---------------------|-------------------|
| CMBZ | ak | 500 | (1) X | Havana, Cuba | —7:45 am—midnight |
| KFVD | ak | 1000 | Dn | Los Angeles, Calif. | —9:00 am—8:15 pm |
| VOCM | z | 200 | 1006 | St. John's, Nfld. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | |
|------|----------|-------|----------------------|------------------|
| WHO | ak 50000 | R | Des Moines, Iowa | —8:00 am—2:00 am |
| XEBI | ak 25 | ..... | Aguascalientes, Ags. | |

1010 keys. (296.9)

| | | | | |
|------|---------|-------|--------------------|-------------------|
| CHML | ak 100 | F | Hamilton, Ont. | —8:00 am—midnight |
| CKCD | ak 100 | 1 | Vancouver, B. C. | |
| CKCK | ak 1000 | F | Regina, Sask. | —9:30 am—2:00 am |
| CKCO | ak 100 | F | Ottawa, Ont. | —Noon—11:30 pm |
| CKIC | ak 50 | ..... | Wolfville, N. S. | |
| CKWX | ak 100 | 1 | Vancouver, B. C. | —Noon—4:00 am |
| CMJA | ak 300 | ..... | Camaguey, Cuba | |
| KCGF | ak 1000 | 2M | Colleyville, Kans. | |
| KQW | ak 1000 | M | San Jose, Calif. | —9:30 am—3:00 am |
| WHN | ak 1000 | (5) | New York, N. Y. | |
| WNAD | ak 1000 | 2 | Norman, Okla. | —3:00 pm—10:15 pm |
| WNOX | ak 1000 | C (5) | Knoxville, Tenn. | —6:30 am—2:00 am |
| XEQO | z 50 | ..... | Cananea, Son. | — |
| XEU | ak 250 | ..... | Veracruz, Ver. | —8:00 am—1:00 am |

1020 keys. (293.9)

| | | | | |
|-----|----------|-------|-------------------|-------------------|
| KYW | ak 10000 | R | Philadelphia, Pa. | —7:05 am—10:00 pm |
| WDZ | ak 250 | D | Tuscola, Ill. | —7:00 am—6:00 pm |
| XEJ | ak 1000 | ..... | Juarez, Chih. | |

1030 keys. (291.1)

| | | | | |
|------|----------|-------|--------------------|--------------------|
| CFCN | ak 10000 | F | Calgary, Alta. | —9:00 am—1:30 am |
| CJBR | z 1000 | F | Rimouski, P. Q. | |
| CKLW | ak 5000 | M | Windsor, Ont. | —6:00 am—4:00 am |
| CMCK | z ..... | ..... | Havana, Cuba | |
| XEB | ak 10000 | ..... | Mexico City, D. F. | —10:00 am—12:15 am |

1040 keys. (288.3)

| | | | | |
|------|----------|-------|-----------------|--------------------|
| KRLD | ak 10000 | C | Dallas, Texas. | —7:00 am—1:00 am |
| KWJJ | ak 500 | ..... | Portland, Ore. | —All night station |
| KYOS | bk 250 | D | Merced, Calif. | |
| WTIC | ah 50000 | R | Hartford, Conn. | —6:00 am—..... |

1050 keys. (285.5)

| | | | | |
|------|----------|-------|---------------------|------------------|
| CBM | ak 5000 | F | Montreal, P. Q. | |
| CMKD | ak 250 | ..... | Santiago, Cuba | |
| KFBI | ak 5000 | Dn | Abilene, Kans. | —7:00 am—7:45 pm |
| KNX | ak 50000 | C | Los Angeles, Calif. | —9:30 am—3:15 am |
| WEAU | z 1000 | D | Eau Claire, Wis. | |
| WGVA | z 1000 | DP | Indianapolis, Ind. | |

1060 keys. (282.8)

| | | | | |
|------|----------|------|-------------------|----------------------|
| KTHS | ak 10000 | N | Hot Springs, Ark. | —9:00 am—ss |
| VOAC | z 40 | 1065 | St. John's, Nfld. | |
| WBAL | ak 10000 | BM | Baltimore, Md. | —6:00 am—9:00 pm |
| WJAG | ak 1000 | D | Norfolk, Nebr. | —7:30 am—ss |
| WX3J | z 100 | P | College Park, Md. | —Midnight to 6:00 am |

1070 keys. (280.2)

| | | | | |
|------|----------|-------|-----------------------|--------------------|
| CMBX | ak 500 | ..... | Havana, Cuba | |
| CMHA | z 50 | ..... | Sagua la Grande, Cuba | |
| KJBS | ak 500 | ..... | San Francisco, Calif. | —All night station |
| WCAZ | ak 100 | D | Carthage, Ill. | |
| WTAM | ak 50000 | R | Cleveland, Ohio | —6:00 am—midnight |

1080 keys. (277.6)

| | | | | |
|------|----------|-------|---------------------|-------------------|
| WBT | ak 50000 | C | Charlotte, N. C. | —6:30 am—midnight |
| WCBD | ak 5000 | Dnl | Chicago, Ill. | |
| WMBI | ak 5000 | Dnl | Chicago, Ill. | |
| XEBA | z 20 | ..... | Guzman, Jal. | |
| XEBK | ak 100 | ..... | Nuevo Laredo, Tams. | |
| XEDP | ak 500 | ..... | Mexico City, D. F. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1090 kcys. (275.1)

KMOX ak 5000 C St. Louis, Mo. —6:30 am—1:00 am

1100 kcys. (272.6)

CBR ak 5000 F Vancouver, B. C.
 KGD M ak 1000 DM Stockton, Calif. —9:00 am—ss
 KWKH ak 10000 C Shreveport, La. —7:30 am—1:00 am
 WBIL ak 5000 1 New York, N. Y.
 WPG ak 5000 C1 Atlantic City, N. J.
 XEL z 250 Mexico City, D. F.

1110 kcys. (270.1)

CMCJ ak 500 X Havana, Cuba
 KSOO ak 2500 DnNX Sioux Falls, S. Dak. —7:00 am—6:45 pm
 WRVA ak 5000 CM Richmond, Va. —7:00 am—midnight

1120 kcys. (267.7)

CHLP ak 100 F Montreal, P. Q. —9:00 am—11:00 pm
 CHSJ ak 500 F (1) St. John, N. B. —5:00 am—midnight
 CKOC ak 500 F (1) Hamilton, Ont.
 CKX ak 1000 F Brandon, Man.
 CMGF ak 250 Matanzas, Cuba.
 CMKM ak 200 Manzanillo, Cuba —8:00 am—10:00 pm
 CRCS ak 100 F Chicoutimi, P. Q.
 KFIO ak 100 D Spokane, Wash.
 KFSG ak 500 a (2.5) Los Angeles, Calif.
 KRKD ak 500 a (2.5) Los Angeles, Calif. —9:00 am—3:00 am
 KRSC ak 250 Seattle, Wash. —All night station
 KTBC z 1000 DP Austin, Texas
 WCOP ak 500 D Boston, Mass. —8:00 am—4:00 pm
 WDEL ak 250 R (.5) Wilmington, Del. —9:00 am—11:00 pm
 WSN ak 250 C (1) Milwaukee, Wis. —8:00 am—1:00 am
 WJBO ak 500 B Baton Rouge, La. —7:45 pm—1:00 am
 WTAW ak 500 College Sta., Tex.

1130 kcys. (265.3)

CMJI ak 150 Ciego de Avila, Cuba —Noon—10:00 pm
 KSL ak 5000 C Salt Lake City, Ut. —8:30 am—3:00 am
 WJJD ak 20000 Dn Chicago, Ill. —6:45 am—6:45 pm
 WOV ak 1000 D New York, N. Y.
 XEJP z 100 Mexico City, D. F.

1140 kcys. (263.0)

CMCW dk 500 Havana, Cuba
 KVOO ak 25000 NI Tulsa, Okla. —6:55 am—
 WAPI ak 5000 CI Birmingham, Ala.
 WSPR ak 500 DM Springfield, Mass. —7:00 am—5:45 pm

1150 kcys. (260.7)

CMJF z 200 Camaguey, Cuba
 WHAM ak 50000 B Rochester, N. Y. —6:30 am—midnight
 XEBP z 250 Durango, Dgo.
 XEC ak 100 Tijuana, B. Cfa.
 XEDW z 20 Minatitlan, Ver.

1160 kcys. (258.5)

CMHJ ak 175 Cienfuegos, Cuba
 CMKG z Santiago, Cuba
 WWOV ak 10000 BI Fort Wayne, Ind. —6:00 am—
 WVVA ak 5000 CI Wheeling, W. Va.
 XEAS ak 50 Saltillo, Coah.
 XED ak 2500 Guadalajara, Jal. —Noon—midnight
 XEFM z 20 Leon, Gto.
 XEP ak 500 Juarez, Chih. —9:00 am—2:00 am

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1170 kcys. (256.3)

| | | | | | |
|------|----|-------|-------|--------------------|-------------------|
| CMBS | ak | 150 | X | Havana, Cuba | —8:00 am—midnight |
| WCAU | ak | 50000 | C | Philadelphia, Pa. | —6:00 am—1:00 am |
| XEXX | z | 1000 | ..... | Mexico City, D. F. | |

1180 kcys. (254.1)

| | | | | | |
|------|----|-------|--------|----------------------|-------------------|
| CMJO | ak | 50 | ..... | Ciego de Avila, Cuba | |
| KEX | ak | 5000 | B2 | Portland, Ore. | |
| KOB | ak | 10000 | N2 | Albuquerque, N. M. | —1:00 pm—11:00 pm |
| WDGY | ak | 1000 | CDn(5) | Minneapolis, Minn. | |
| WINS | ak | 1000 | ..... | New York, N. Y. | |
| WMAZ | ak | 1000 | C | Macon, Ga. | —6:45 pm—7:00 pm |
| XEFA | z | 500 | ..... | Tacuba, D. F. | |

1190 kcys. (252.0)

| | | | | | |
|------|----|-------|-------|--------------------|-------------------|
| CMKX | z | ..... | ..... | Santiago, Cuba | |
| KTKC | ak | 250 | D | Visalia, Calif. | |
| VONF | ak | 500 | 1195 | St. John's, Nfld. | |
| WATR | ak | 100 | DXZ | Waterbury, Conn. | |
| WOAI | ak | 50000 | N | San Antonio, Tex. | —7:30 am—12:30 pm |
| WSAZ | ak | 1000 | ..... | Huntington, W. Va. | —6:00 am—7:00 pm |

1200 kcys. (249.9)

| | | | | | |
|------|----|-----|---------|-------------------------|----------------------|
| CFGP | z | 100 | ..... | Grande Prairie, Alta. | |
| CHAB | ak | 100 | F | Moose Jaw, Sask. | —9:00 am—12:30 am |
| CKNX | dk | 100 | ..... | Wingham, Ont. | —11:00 am—1:00 am |
| CKTB | ak | 100 | F | St. Catharines, Ont. | —9:30 am—11:30 pm |
| CMCO | ad | 250 | ..... | Havana, Cuba | |
| KADA | ak | 100 | DM | Ada, Okla. | |
| KBTM | ak | 100 | D | Jonesboro, Ark. | |
| KDNC | z | 100 | (.25) P | Lewistown, Mont. | |
| KELO | z | 100 | N | Sioux Falls, S. Dak. | |
| KFJB | ak | 100 | (.25) | Marshalltown, Ia. | —7:00 am—10:00 pm |
| KFXD | ak | 100 | (.25) | Nampa, Idaho | —8:00 am—11:00 pm |
| KFXJ | ak | 100 | (.25) | Grand Junc., Colo. | |
| KGCI | z | 100 | DP | Coeur d'Alene, Idaho | |
| KGDE | c | 100 | (.25) | Fergus Falls, Minn. | —8:00 am—10:00 pm |
| KGFK | ak | 100 | ..... | Sterling, Colo. | |
| KGfJ | ak | 100 | ..... | Los Angeles, Calif. | —24 hours daily |
| KGHI | ak | 100 | (.25) | Little Rock, Ark. | —8:30 am—11:00 pm |
| KGVL | z | 100 | DP | Greenville, Texas | |
| KMLB | ak | 100 | (.25) | Monroe, La. | |
| KOOS | ak | 100 | (.25) | Marsh field, Ore. | —10:00 am—7:45 pm |
| KSUN | ak | 100 | (.25) | Lowell, Ariz. | —11:00 am—midnight |
| KVCV | ak | 100 | ..... | Redding, Calif. | |
| KVEC | z | 250 | D | San Luis Obispo, Calif. | |
| KVOS | dk | 100 | M | Bellingham, Wash. | |
| KWG | ak | 100 | N | Stockton, Calif. | —10:00 am—3:00 am |
| KWNO | z | 250 | D | Winona, Minn. | |
| WABI | ak | 100 | (.25) | Bangor, Maine | |
| WAIM | ak | 100 | C | Anderson, S. C. | —6:00 am—10:00 pm |
| WAYX | ak | 100 | (.25) | Waycross, Ga. | |
| WBBZ | ak | 100 | M (.25) | Ponca City, Okla. | —8:00 am—10:00 pm |
| WBHP | ak | 100 | ..... | Huntsville, Ala. | |
| WBNO | ak | 100 | 2 | New Orleans, La. | —1:00 pm to midnight |
| WCAT | ak | 100 | D | Rapid City, S. Dak. | —Noon—2:00 pm |
| WCAX | ak | 100 | (.25) | Burlington, Vt. | |
| WCLO | ak | 100 | (.25) | Janesville, Wis. | |
| WCPO | ak | 100 | (.25) | Cincinnati, Ohio | —7:00 am—11:30 pm |
| WDSM | z | 100 | P | Superior, Wis. | |
| WEST | ak | 100 | 3 (.25) | Easton, Pa. | |
| WFAM | ak | 100 | 4 | South Bend, Ind. | |
| WFTC | ak | 100 | (.25) | Kinston, N. C. | |
| WHBC | ak | 100 | (.25) | Canton, Ohio | |
| WHBY | ak | 100 | (.25) | Green Bay, Wis. | |
| WIBX | ak | 100 | C (.25) | Utica, N. Y. | —5:30 am—1:00 am |
| WIL | ak | 100 | (.25) | St. Louis, Mo. | |
| WJBC | ak | 100 | 5 (.25) | Bloomington, Ill. | —4:00 pm—8:30 pm |
| WJBL | ak | 100 | 5 | Decatur, Ill. | |
| WJBW | ak | 100 | 2 | New Orleans, La. | —All night station |
| WJNO | ak | 100 | C (.25) | W. Palm Beach, Fla. | —7:00 am—11:00 pm |
| WJRD | ak | 250 | D | Tuscaloosa, Ala. | |
| WKBO | ak | 100 | 3 (.25) | Harrisburg, Pa. | —8:00 am—11:00 pm |
| WLVA | ak | 100 | (.25) | Lynchburg, Va. | —7:00 am—11:00 pm |
| WMFR | ak | 100 | D | High Point, N. C. | |
| WMPC | ak | 100 | (.25) | Lapeer, Mich. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|-----|-------|------------------|-------------------|
| WOLS | z | 100 | D | Florence, S. C. | |
| WRBL | ak | 100 | (.25) | Columbus, Ga. | —8:00 am—10:30 pm |
| WSAL | z | 250 | D | Salisbury, Md. | |
| WTHT | ak | 100 | M | Hartford, Conn. | —7:00 am—4:15 pm |
| WTOL | z | 100 | DP | Toledo, Ohio | |
| WWAE | ak | 100 | 8 | Hammond, Ind. | |
| XEBU | z | 50 | ..... | Chihuahua, Chih. | —..... |

1210 kcys. (247.8)

| | | | | | |
|------|----|-----|---------|----------------------|--------------------|
| CHLT | z | 100 | ..... | Sherbrooke, P. Q. | |
| CJCS | ak | 50 | ..... | Stratford, Ont. | —8:00 am—9:00 pm |
| CJCU | z | 50 | ..... | Aklavik, N.W.T. | |
| CKBI | ak | 100 | F | Prince Albert, Sask. | —9:45 am—1:00 am |
| CKCH | ak | 100 | F | Hull, P. Q. | —8:00 am—11:00 pm |
| CKMC | ak | 50 | ..... | Cobalt, Ont. | |
| CMHI | ak | 150 | ..... | Santa Clara, Cuba | |
| KALB | ak | 100 | (.25) | Alexandria, La. | —7:00 am—ss |
| KANS | ak | 100 | N | Wichita, Kans. | —7:30 am—midnight |
| KASA | c | 100 | ..... | Elk City, Okla. | —7:00 am—8:00 pm |
| KDLR | ak | 100 | ..... | Devils Lake, N. D. | —7:30 am—9:30 pm |
| KDON | z | 100 | M | Monterey, Calif. | |
| KEJI | ak | 100 | ..... | Klamath Falls, Ore. | |
| KFOR | ak | 100 | CM(.25) | Lincoln, Nebr. | —8:00 am—11:15 pm |
| KFPW | ak | 100 | ..... | Fort Smith, Ark. | |
| KFVS | ak | 100 | 5 (.25) | Cape Girardeau, Mo. | |
| KFXM | ak | 100 | M2 | San Bernardino, Cal. | —9:00 am—3:00 am |
| KGLO | z | 100 | C (.25) | Mason City, Iowa | |
| KGY | ak | 100 | M | Olympia, Wash. | |
| KHBG | z | 100 | D | Okmulgee, Okla. | |
| KIUL | ak | 100 | ..... | Garden City, Kans. | —8:00 am—10:00 pm |
| KLAH | ak | 100 | ..... | Carlsbad, N. Mex. | |
| KOCA | ak | 100 | (.25) | Kilgore, Texas | |
| KPFA | z | 100 | (.25) | Helena, Mont. | |
| KPPC | ak | 100 | 2 | Pasadena, Calif. | —10:00 am—12:30 am |
| KROY | ak | 100 | CD | Sacramento, Calif. | |
| KVSO | ak | 100 | M | Ardmore, Okla. | —8:00 am—11:00 pm |
| KWTN | ak | 100 | ..... | Watertown, S. Dak. | |
| WALR | ak | 100 | ..... | Zanesville, Ohio | —7:00 am—9:00 pm |
| WBAX | ak | 100 | ..... | Wilkes-Barre, Pa. | |
| WBBL | ak | 100 | S | Richmond, Va. | |
| WBLY | ak | 100 | D | Lima, Ohio | —6:00 am—5:15 pm |
| WBRB | ak | 100 | 3 | Red Bank, N. J. | |
| WCOL | ak | 100 | N | Columbus, Ohio | —7:00 am—11:00 pm |
| WCRW | ak | 100 | 4 | Chicago, Ill. | —11:00 am—7:00 pm |
| WEBO | ak | 100 | 5 (.25) | Harrisburg, Ill. | |
| WEDC | ak | 100 | 4 | Chicago, Ill. | |
| WFAS | ak | 100 | 3 | White Plains, N. Y. | |
| WFOY | ak | 100 | (.25) | St. Augustine, Fla. | |
| WGBB | ak | 100 | 3 | Freeport, N. Y. | |
| WGCM | ak | 100 | (.25) | Gulfport, Miss. | |
| WGNV | ak | 100 | 3 | Newburgh, N. Y. | —7:30 am—midnight |
| WGRM | ak | 100 | ..... | Grenada, Miss. | |
| WHAI | z | 250 | DP | Greenfield, Mass. | |
| WHBF | ak | 100 | (.25) | Rock Island, Ill. | —7:00 am—1:05 am |
| WHBU | ak | 100 | (.25) | Anderson, Ind. | |
| WIBU | ak | 100 | (.25) | Poynette, Wis. | |
| WJBY | ak | 100 | (.25) | Gadsden, Ala. | —8:00 am—10:30 pm |
| WJEJ | ak | 50 | Dn(.1) | Hagerstown, Md. | |
| WJFM | z | 100 | (.25) | Lansing, Mich. | —7:15 am—12:30 am |
| WJTN | ak | 100 | B (.25) | Jamestown, N. Y. | |
| WJW | ak | 100 | (.25) | Akron, Ohio | —8:00 am—10:30 pm |
| WKOK | ak | 100 | ..... | Sunbury, Pa. | —6:00 am—midnight |
| WLMU | z | 100 | P (.25) | Middlesboro, Ky. | |
| WMEG | z | 100 | (.25) | Hibbing, Minn. | —7:30 am—10:00 pm |
| WOMT | ak | 100 | ..... | Manitowoc, Wis. | |
| WPAX | ak | 100 | D | Thomasville, Ga. | —8:00 am—6:00 pm |
| WSAY | z | 100 | D | Rochester, N. Y. | —7:00 am—4:30 pm |
| WSBC | ak | 100 | 4 (.25) | Chicago, Ill. | —6:00 am—midnight |
| WSIX | ak | 100 | (.25) | Nashville, Tenn. | —7:00 am—1:00 am |
| WSNJ | z | 100 | D | Bridgeton, N. J. | |
| WSOC | ak | 100 | N (.25) | Charlotte, N. C. | —7:00 am—midnight |
| WTAX | ak | 100 | ..... | Springfield, Ill. | |
| XEAT | ak | 250 | ..... | Parral, Chih. | —11:00 am—9:00 pm |
| XEE | ak | 50 | ..... | Durango, Dgo. | |
| XEFV | ak | 100 | ..... | Juarez, Chih. | |
| XETH | ak | 100 | ..... | Puebla, Pue. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1220 keys. (245.8)

| | | | | | |
|------|----|------|--------|---------------------|-------------------|
| CMJE | z | 50 | ..... | Camaguey, Cuba | |
| KFKU | ak | 1000 | a (5) | Lawrence, Kans. | —3:30 pm—7:30 pm |
| KTMS | z | 500 | B | Santa Barbara, Cal. | |
| KTW | ak | 1000 | S2 | Seattle, Wash. | |
| KWSC | ak | 1000 | 2 (5) | Pullman, Wash. | —9:45 am—12:30 pm |
| WCAD | ak | 500 | D | Canton, N. Y. | —12:30 pm—4:00 pm |
| WCAE | ak | 1000 | MR (5) | Pittsburgh, Pa. | —7:00 am—2:30 am |
| WPAE | ak | 1000 | C (5) | Tampa, Fla. | —7:30 am—? |
| WREN | ak | 1000 | Ba (5) | Lawrence, Kans. | —8:00 am—7:00 pm |
| XEBL | z | 50 | ..... | Mazatlan, Sin. | |
| XEDA | z | 200 | ..... | Gral. Anaya, D. F. | |
| XETF | ak | 12 | ..... | Veracruz, Ver. | —11:00 am—1:00 am |

1230 keys. (243.8)

| | | | | | |
|------|----|------|-------|---------------------|-------------------|
| CMCB | z | 150 | ..... | Havana, Cuba | —8:00 am—11:00 pm |
| KGBX | ak | 500 | N | Springfield, Mo. | |
| KGGM | ak | 1000 | ..... | Albuquerque, N. M. | —9:30 am—11:30 pm |
| KYA | ak | 1000 | (5) | San Francisco, Cal. | |
| WPBM | ak | 1000 | C (5) | Indianapolis, Ind. | —7:30 am—1:00 am |
| WNCM | ak | 1000 | R (5) | Boston, Mass. | —6:00 am—1:00 am |
| XEAZ | z | 200 | ..... | Zacatecas, Zac. | |
| XEG | z | 250 | ..... | Monterrey, N. L. | —..... |

1240 keys. (241.8)

| | | | | | |
|------|----|------|-------|-----------------------|-------------------|
| CJCB | ak | 1000 | F | Sydney, N. S. | —7:00 am—11:00 pm |
| CMHB | z | 50 | ..... | Sancti Spiritus, Cuba | |
| KGCU | ak | 250 | I | Mandan, N. Dak. | |
| KLPM | ak | 250 | 1XZ | Minot, N. Dak. | |
| KTAT | ak | 1000 | M | Fort Worth, Texas | |
| KTFI | ak | 1000 | ..... | Twin Falls, Idaho | |
| WKAO | ak | 1000 | ..... | San Juan, P. R. | —6:00 am—9:30 pm |
| WXYZ | ak | 1000 | B | Detroit, Mich. | |
| XEKL | z | 500 | ..... | Leon, Guan. | |
| XELA | z | 50 | ..... | Saltillo, Coah. | |
| XEME | z | 50 | ..... | Merida, Yuc. | —..... |

1250 keys. (239.9)

| | | | | | |
|------|----|------|---------|-----------------------|--------------------|
| CMCK | ak | 150 | ..... | Santiago, Cuba | |
| KFOX | ak | 1000 | ..... | Long Beach, Calif. | |
| KIT | ak | 250 | M (5) | Yakima, Wash. | |
| KXOK | z | 1000 | P | St. Louis, Mo. | |
| WAIR | ak | 250 | D | Winst.-Salem, N. C. | —6:00 am—ss |
| WGAL | ah | 1000 | 2XZ | Northfield, Minn. | |
| WDSU | ak | 1000 | B | New Orleans, La. | —7:00 am—midnight |
| WHBI | ak | 1000 | a (2.5) | Newark, N. J. | |
| WLB | ak | 1000 | 2XZ | Minneapolis, Minn. | |
| WNEW | ak | 1000 | a (2.5) | New York, N. Y. | —All night station |
| WTCN | ak | 1000 | B (5) | Minneapolis, Minn. | —7:00 am—midnight |
| XEAT | z | 500 | ..... | Mexico City, D. F. | —..... |
| XEXH | z | 250 | ..... | San Luis Pot., S.L.P. | |

1260 keys. (238.0)

| | | | | | |
|------|----|------|--------|--------------------|-------------------|
| CMBD | ak | 500 | 2X | Havana, Cuba | —7:00 am—midnight |
| CMC | z | 150 | 2 | Havana, Cuba | —8:00 am—midnight |
| KGVO | ak | 1000 | C | Missoula, Mont. | —9:00 am—1:00 am |
| KHSL | ak | 250 | ..... | Chico, Calif. | |
| KOIL | ak | 1000 | RM (5) | Omaha, Nebr. | —6:00 am—..... |
| KPAC | ak | 500 | D | Port Arthur, Texas | —6:00 am—5:45 pm |
| KRGV | ak | 1000 | N | Weslaco, Texas | —8:00 am—11:00 pm |
| KUOA | ak | 5000 | D | Siloam Spgs., Ark. | |
| KVOA | ak | 1000 | ..... | Tucson, Ariz. | |
| WHIO | ak | 1000 | C (5) | Dayton, Ohio | —6:00 am—1:00 am |
| WNBX | ak | 500 | CM (1) | Springfield, Vt. | |
| WTOC | ak | 1000 | C | Savannah, Ga. | —7:00 am—midnight |

1270 keys. (236.1)

| | | | | | |
|------|----|------|-------|----------------------|------------------|
| CMHD | dk | 250 | ..... | Caibarien, Cuba | |
| KGCA | ak | 100 | 2D | Decorah, Iowa | —9:30 am—3:30 pm |
| KOL | ak | 1000 | M (5) | Seattle, Wash. | |
| KVOR | ak | 1000 | C | Colo. Springs, Colo. | —9:00 am—1:00 am |
| KWLC | ak | 100 | 2D | Decorah, Iowa | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|------|-------|-------------------|-------------------|
| WASH | ak | 500 | DaN | Grd. Rpds., Mich. | -6:30 am—midnight |
| WFBR | ak | 500 | R (1) | Baltimore, Md. | -7:00 am—midnight |
| WJDX | ak | 1000 | R (5) | Jackson, Miss. | |
| WOOD | ak | 500 | Na | Gd. Rapids, Mich. | -7:00 am—midnight |
| XEXB | ak | 250 | ..... | Jalapa, Ver. | |
| XEXE | z | 17 | ..... | Texcoco, D. F. | |

1280 kcys. (234.2)

| | | | | | |
|------|----|-------|-------|--------------------|-------------------|
| CMKO | z | ..... | ..... | Holguin, Cuba | |
| KFBB | ak | 1000 | C (5) | Great Falls, Mont. | |
| KLS | ak | 250 | ..... | Oakland, Calif. | |
| WCAM | ak | 500 | 1 | Camden, N. J. | |
| WCAP | ak | 500 | 1 | Asbury Park, N. J. | |
| WODD | ak | 1000 | C (5) | Chattanooga, Tenn. | -7:30 am—12:30 am |
| WIBA | ak | 1000 | N (5) | Madison, Wis. | |
| WORC | ak | 500 | C | Worcester, Mass. | -8:00 am—midnight |
| WRR | ak | 500 | M | Dallas, Texas | -8:00 am—midnight |
| WTNJ | ak | 500 | 1 | Trenton, N. J. | |
| XEMX | z | 100 | ..... | Mexico City, D. F. | |

1290 kcys. (232.4)

| | | | | | |
|------|----|------|-------|---------------------|-------------------|
| CMCU | ak | 500 | ..... | Havana, Cuba | -6:55 am—1:00 am |
| KDYL | ak | 1000 | RX | Salt Lake City, Ut. | -8:00 am—3:00 am |
| KLCN | ak | 100 | D | Blytheville, Ark. | |
| KTRH | ak | 1000 | C (5) | Houston, Texas | |
| WEBC | ak | 1000 | N (5) | Duluth, Minn. | -8:00 am—1:00 am |
| WJAS | ak | 1000 | C (5) | Pittsburgh, Pa. | -7:30 am—12:30 am |
| WNBZ | ak | 100 | D | Saranac Lake, N. Y. | -9:30 am—ss |
| WNEL | ak | 1000 | (2.5) | San Juan, P. R. | -5:45 am—11:30 pm |

1300 kcys. (230.6)

| | | | | | |
|------|----|------|-------|---------------------|--------------------|
| KALE | ak | 1000 | M | Portland, Ore. | |
| KFAC | ak | 1000 | ..... | Los Angeles, Calif. | -All night station |
| KFH | ak | 1000 | C (5) | Wichita, Kans. | |
| WBBR | ak | 1000 | 1 | Brooklyn, N. Y. | |
| WEVD | ak | 1000 | 1 | New York, N. Y. | |
| WFAB | ak | 1000 | 1 | New York, N. Y. | |
| WFBC | ak | 1000 | N (5) | Greenville, S. C. | |
| WHAZ | ak | 1000 | 1 | Troy, N. Y. | -6:00 pm—midnight |
| WHBL | ak | 250 | ..... | Sheboygan, Wis. | |

1310 kcys. (228.9)

| | | | | | |
|------|----|-----|--------|-----------------------|-------------------|
| CHCK | ak | 50 | ..... | Charlottetown, P.E.I. | |
| CJKL | ak | 100 | F | North Bay, Ont. | |
| CJLS | ak | 100 | ..... | Yarmouth, N. S. | |
| CKCV | ak | 100 | F | Quebec, P. Q. | -7:55 am—11:30 pm |
| KAND | z | 100 | D | Corsicana, Tex. | |
| KARM | z | 100 | C | Fresno, Calif. | |
| KCKN | ak | 100 | ..... | Kansas City, Kans. | |
| KCRJ | ak | 100 | (.25) | Jerome, Ariz. | |
| KFPF | dk | 100 | (.25) | Dublin, Texas | -7:00 am—10:45 pm |
| KFXR | ak | 100 | (.25) | Okla. City, Okla. | -8:00 am—midnight |
| KFYO | ak | 100 | (.25) | Lubbock, Texas | -8:00 am—10:15 pm |
| KGEZ | ak | 100 | ..... | Katispell, Mont. | -9:00 am—11:00 pm |
| KGFV | ak | 100 | ..... | Kearney, Nebr. | -7:00 am—10:00 pm |
| KHUB | ak | 250 | D | Watsonville, Calif. | |
| KINY | ak | 100 | XZ | Juneau, Alaska | |
| KPDN | ak | 100 | D | Pampa, Texas | |
| KRBA | z | 100 | DP | Lufkin, Texas | |
| KRMD | ak | 100 | (.25) | Shreveport, La. | |
| KROC | ak | 100 | (.25) | Rochester, Minn. | -7:00 am—12:15 am |
| KROA | ak | 100 | ..... | Santa Fe, N. Mex. | |
| KRRV | z | 250 | D | Sherman, Texas | |
| KRSO | z | 250 | D | Santa Rosa, Calif. | -11:00 am—9:00 pm |
| KSUB | ak | 100 | ..... | Cedar City, Utah | |
| KTSM | ak | 100 | N(.25) | El Paso, Texas | -8:30 am—1:00 am |
| KVOL | ak | 100 | ..... | Lafayette, La. | -7:00 am—ss |
| KVOX | z | 100 | (.25) | Moorhead, Minn. | |
| KWOC | z | 100 | DP | Poplar Bluff, Mo. | |
| KWOS | z | 100 | D | Jefferson City, Mo. | |
| KXRO | ak | 100 | M(.25) | Aberdeen, Wash. | -10:00 am—2:00 am |
| WAML | ak | 100 | (.25) | Laurel, Miss. | -8:00 am—8:00 pm |
| WBEO | ak | 100 | D | Marquette, Mich. | -10:30 am—5:30 pm |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|------|----|-----|---------|----------------------|--------------------------------|
| WBOW | ak | 100 | N (.25) | Terre Haute, Ind. | —7:00 am—midnight |
| WBRE | ak | 100 | N | Wilkes-Barre, Pa. | |
| WBKZ | z | 100 | C (.25) | Pittsfield, Mass. | |
| WCBS | ak | 100 | | Joliet, Ill. | —8:00 am—9:30 pm |
| WCMI | ak | 100 | (.25) | Ashland, Ky. | —6:00 am—11:30 pm |
| WDAH | ak | 100 | S (.25) | El Paso, Texas | —11:30 am—10:30 pm (Sun. only) |
| WBRB | ak | 100 | B (.25) | Buffalo, N. Y. | —7:00 am—midnight |
| WEMP | ak | 100 | D | Milwaukee, Wis. | —7:30 am—ss |
| WEXL | ak | 50 | | Royal Oak, Mich. | —8:00 am—4:00 am |
| WFRG | ak | 100 | 3 | Altoona, Pa. | —7:00 am—10:30 pm |
| WFFD | ak | 100 | | Flint, Mich. | —6:00 am—midnight |
| WGAU | z | 100 | (.25)P | Athens, Ga. | |
| WGH | ak | 100 | (.25) | Newport News, Va. | —7:00 am—midnight |
| WGTM | z | 100 | D | Wilson, N. C. | |
| WHAT | ak | 100 | 4 | Philadelphia, Pa. | |
| WJAC | ak | 100 | 3 (.25) | Johnstown, Pa. | |
| WLAK | z | 100 | | Lakeland, Fla. | |
| WLBC | ak | 100 | (.25) | Muncie, Ind. | —7:00 am—midnight |
| WLNH | ak | 100 | M | Laconia, N. H. | |
| WMBO | ak | 100 | | Auburn, N. Y. | |
| WMFF | ak | 100 | (.25) | Plattsburg, N. Y. | |
| WNBH | ak | 100 | M (.25) | New Bedford, Mass. | —7:30 am—11:15 pm |
| WOL | ak | 100 | MXZ | Washington, D. C. | |
| WRAW | ak | 100 | | Reading, Pa. | —7:00 am—11:00 pm |
| WROL | ak | 100 | N (.25) | Knoxville, Tenn. | |
| WSAJ | ak | 100 | | Grove City, Pa. | |
| WSCN | ak | 100 | B (.25) | Birmingham, Ala. | —8:00 am—midnight |
| WSJS | ak | 100 | C | Winston-Salem, N. C. | —8:00 am—10:00 pm |
| WTAL | ak | 100 | | Tallahassee, Fla. | —8:00 am—midnight |
| WTEL | ak | 100 | 4 | Philadelphia, Pa. | —8:00 am—midnight |
| WTJS | ak | 100 | (.25) | Jackson, Tenn. | |
| WTRC | ak | 100 | (.25) | Elkhart, Ind. | —7:00 am—10:30 pm |
| XEAG | z | 10 | | Cordoba, Ver. | |
| XEBO | z | 25 | | Irapuato, Guan. | |
| XEFW | ak | 300 | | Tampico, Tams. | —11:00 am—10:00 pm |
| XETB | ak | 125 | | Torreón, Coah. | |
| XEX | ak | 125 | | Monterrey, N. L. | |
| XEXS | z | 100 | | Mexico City, D. F. | — |

1320 keys. (227.1)

| | | | | | |
|------|----|------|-------|--------------------|-------------------|
| CMOX | ak | 200 | | Havana, Cuba | |
| KGHF | ak | 500 | B | Pueblo, Colo. | —9:00 am—1:00 am |
| KGMB | ak | 1000 | C M | Honolulu, Hawaii | —1:30 am—6:00 pm |
| KID | ak | 500 | (1) | Idaho Falls, Idaho | |
| KRNT | ak | 1000 | C (5) | Des Moines, Iowa | —6:00 am—1:00 am |
| WADC | ak | 1000 | C | Akron, Ohio | —7:00 am—1:00 am |
| WORK | ak | 1000 | N | York, Pa. | —8:00 am—10:00 pm |
| WSMB | ak | 1000 | R | New Orleans, La. | |

1330 keys. (225.4)

| | | | | | |
|------|----|------|-------|----------------------|-------------------|
| GMHK | z | 250 | | Cruces, Cuba | |
| KGB | ak | 1000 | M | San Diego, Calif. | —10:00 am—4:00 am |
| KMO | ak | 1000 | M | Tacoma, Wash. | —9:00 am—3:00 am |
| KRIS | z | 500 | N | Corpus Christi, Tex. | |
| KSCJ | ak | 1000 | C (5) | Sioux City, Iowa | —7:00 am—1:00 am |
| WDRG | ak | 1000 | C (5) | Hartford, Conn. | —7:00 am—midnight |
| WSAJ | ak | 1000 | MN(5) | Cincinnati, Ohio | —7:00 am—1:00 am |
| WTAQ | ak | 1000 | C | Green Bay, Wis. | |

1340 keys. (223.7)

| | | | | | |
|------|----|------|---------|---------------------|-------------------|
| CMAB | z | 300 | | Pinar del Rio, Cuba | |
| CMJL | z | 75 | | Carnagey, Cuba | |
| KDTH | z | 500 | DP | Dubuque, Iowa | |
| KGDY | ak | 250 | D | Huron, S. Dak. | —10:00 am—1:00 am |
| KGIR | ak | 1000 | N (2.5) | Butte, Mont. | |
| KGNO | ak | 250 | | Dodge City, Kans. | —8:30 am—midnight |
| WCOA | ak | 500 | CX | Pensacola, Fla. | |
| WFEA | ak | 500 | MN(1) | Manchester, N. H. | —6:30 am—1:00 am |
| WSPD | ak | 1000 | B (5) | Toledo, Ohio | —6:30 am— |
| XEAP | z | 50 | | Obregon, Son. | — |
| XEBS | z | 200 | | Mexico City, D. F. | — |
| XEDH | z | 200 | | Villa Acuna, Coah. | — |
| XEXD | z | 350 | | Jalapa, Ver. | — |

1350 keys. (222.1)

| | | | | | |
|------|----|-----|---|--------------|--|
| GMCA | ak | 450 | X | Havana, Cuba | |
|------|----|-----|---|--------------|--|

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | |
|------|----|-------|------------------------|------------------|
| CMKW | z | ..... | Santiago, Cuba | |
| KIDO | ak | 1000 | N (2.5) Boise, Idaho | —9:00 am—2:00 am |
| KWK | ak | 1000 | BM(5) St. Louis, Mo. | —6:30 am—1:00 am |
| WAWZ | ak | 500 | 1 (1) Zarephath, N. J. | —6:00 am—..... |
| WBNX | ak | 1000 | 1 New York, N. Y. | |
| WMBG | ak | 500 | R Richmond, Va. | |

1360 keys. (220.4)

| | | | | | |
|------|----|------|-------|----------------------|-------------------|
| CMJH | dk | 50 | ..... | Ciego de Avila, Cuba | |
| KCRC | ak | 250 | M | Enid, Okla. | —8:00 am—11:00 pm |
| KGER | ak | 1000 | ..... | Long Beach, Calif. | |
| WCSC | ak | 500 | N (1) | Charleston, S. C. | —7:00 am—midnight |
| WFBL | ak | 1000 | C (5) | Syracuse, N. Y. | —7:00 am—1:00 am |
| WCES | ak | 500 | I (1) | Chicago, Ill. | —8:00 am—9:00 pm |
| WOBC | ak | 1000 | D | Vicksburg, Miss. | |
| WSBT | ak | 500 | I | South Bend, Ind. | |

1370 keys. (218.8)

| | | | | | |
|-------|----|-----|----------|---------------------|--------------------|
| CFAR | z | 100 | ..... | Flin Flon, Man. | |
| CKCW | ak | 100 | F | Moncton, N. B. | |
| CMGE | ak | 150 | ..... | Cardenas, Cuba | —10:00 am—10:30 pm |
| KAST | ak | 100 | D | Astoria, Ore. | —11:00 am—8:30 pm |
| KCMO | ak | 100 | ..... | Kansas City, Mo. | —7:00 am—2:00 am |
| KEEN | ak | 100 | 3 | Seattle, Wash. | —3:00 pm—1:00 am |
| KELD | z | 100 | ..... | El Dorado, Ark. | |
| KERN | ak | 100 | N | Bakersfield, Calif. | —11:00 am—3:00 am |
| KFGO | ak | 100 | D | Boone, Iowa | —7:00 am—2:00 pm |
| KFJZ | ak | 100 | (.25) | Fort Worth, Texas | —7:30 am—midnight |
| KFRO | ak | 250 | D | Longview, Texas | —7:00 am—ss |
| KGAR | ak | 100 | C (.25) | Tucson, Arizona | |
| KGFL | ak | 100 | 4 | Roswell, N. Mex. | |
| KGKL | ak | 100 | (.25) | San Angelo, Texas | |
| KICA | ak | 100 | 4 | Clovis, N. Mex. | —9:00 am—11:00 pm |
| KTUP | ak | 100 | ..... | Durango, Colo. | —10:00 am—11:00 pm |
| KLUF | ak | 100 | ..... | Galveston, Texas | —9:00 am—midnight |
| KMAC | ak | 100 | 5 (.25) | San Antonio, Tex. | —8:00 am—9:00 pm |
| KOBH | ak | 100 | (.25) | Rapid City, S. Dak. | —8:00 am—midnight |
| KOKO | z | 100 | ..... | La Junta, Colo. | |
| KONO | ak | 100 | 5 | San Antonio, Tex. | —7:00 am—11:00 pm |
| KRE | ak | 100 | (.25) | Berkeley, Calif. | —24 hours daily |
| KRKO | ak | 50 | ..... | Everett, Wash. | |
| KRMC | z | 100 | (.25) | Jamestown, N. D. | |
| KSLM | ak | 100 | M | Salem, Ore. | —10:00 am—1:00 am |
| KTEM | ak | 250 | D | Temple, Texas | |
| KTOK | bk | 100 | M | Oklahoma City, Ok. | |
| KUI | ak | 100 | ..... | Walla Walla, Wash. | —9:30 am—1:00 am |
| KVGB | z | 100 | ..... | Great Bend, Kans. | |
| KVRS | z | 100 | (.25)P | Rock Springs, Wyo. | |
| KWYO | ak | 100 | (.25) | Sheridan, Wyo. | —9:00 am—midnight |
| WABY | ak | 100 | B(.25) | Albany, N. Y. | —7:00 am—midnight |
| WAGF | ak | 250 | D | Dothan, Ala. | —9:00 am—ss |
| WA'IL | ak | 100 | (.25) | Atlanta, Ga. | —7:00 am—1:00 am |
| WBLK | ak | 100 | ..... | Clarksburg, W. Va. | —6:00 am—..... |
| WBNY | ak | 100 | 2 (.25) | Ruffalo, N. Y. | —7:30 am—midnight |
| WB'IM | ak | 100 | (.25) | Danville, Va. | —7:00 am—10:00 pm |
| WCBM | ak | 100 | (.25) | Baltimore, Md. | |
| WDAS | ak | 100 | (.25) | Philadelphia, Pa. | —8:00 am—midnight |
| WDWS | ak | 100 | D | Champaign, Ill. | |
| WEOA | ak | 100 | C(.25) | Evansville, Ind. | |
| WFOR | ak | 100 | ..... | Hattiesburg, Miss. | —8:00 am—9:00 pm |
| WGL | ak | 100 | N | Fort Wayne, Ind. | |
| WGRC | ak | 250 | D | New Albany, Ind. | |
| WHBQ | ak | 100 | ..... | Memphis, Tenn. | —8:00 am—11:30 pm |
| WHDF | ak | 100 | (.25) | Calumet, Mich. | —10:30 am—6:30 pm |
| WHLB | ak | 100 | C(.25) | Virginia, Minn. | |
| WIBM | ak | 100 | (.25) | Jackson, Mich. | —6:30 am—12:30 am |
| WLLH | ak | 100 | Sy | Lawrence, Mass. | —7:30 am—midnight |
| WLLI | ak | 100 | MSy(.25) | Lowell, Mass. | —7:30 am—midnight |
| WMBR | ak | 100 | C(.25) | Jacksonville, Fla. | —7:30 am—midnight |
| WMFD | ak | 100 | D | Wilmington, N. C. | |
| WMFO | ak | 100 | D | Decatur, Ala. | —8:00 am—6:30 pm |
| WMIN | ak | 100 | (.25) | St. Paul, Minn. | —7:00 am—1:00 am |
| WOC | ak | 100 | C(.25) | Davenport, Iowa | —7:00 am—1:00 am |
| WPAY | z | 100 | ..... | Portsmouth, Ohio | —7:00 am—10:15 pm |
| WPRA | z | 100 | (.25) | Mayaguez, P. R. | |
| WRAC | ak | 100 | (.25) | Williamsport, Pa. | |
| WRDO | ak | 100 | M | Augusta, Maine | —8:00 am—11:15 pm |
| WRJN | ak | 100 | (.25) | Racine, Wis. | 8:25 am—midnight |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|-------|----|-----|-------|---------------------|-------------------|
| WSAU | ak | 100 | ..... | Wausau, Wis. | —7:00 am—11:15 pm |
| WSVS | ak | 50 | 2D | Buffalo, N. Y. | |
| XECZ | z | 100 | ..... | San L. Pot., S.L.P. | |
| XEI | ak | 125 | ..... | Morelia, Mich. | |
| XELZ | z | 100 | ..... | Mexico City, D. F. | |
| ..... | 2 | 100 | ..... | Owen Sound, Ont. | |

1380 keys. (217.3)

| | | | | | |
|------|----|-------|-------|--------------------|-------------------|
| CMCR | z | ..... | ..... | Havana, Cuba | |
| CMCX | z | 150 | ..... | Havana, Cuba | —9:00 am—11:00 pm |
| KOH | ak | 500 | C | Reno, Nevada | —11:00 am—3:00 am |
| KOV | ak | 500 | C1 | Pittsburgh, Pa. | —7:00 am—10:00 pm |
| WALA | ak | 500 | C (1) | Mobile, Ala. | —8:30 am—midnight |
| WKBH | ak | 1000 | C | La Crosse, Wis. | |
| WNBC | ak | 250 | D | New Britain, Conn. | —7:00 am—ss |
| WSMK | ak | 200 | C 1 | Dayton, Ohio | —6:00 am—..... |

1390 keys. (215.7)

| | | | | | |
|------|----|------|---------|-------------------|-------------------|
| CJGX | ak | 100 | F | Yorkton, Sask. | —8:30 am—12:30 am |
| CMJC | z | 150 | ..... | Camaguey, Cuba | |
| KLRA | ak | 1000 | C (5) | Little Rock, Ark. | |
| KOY | ak | 1000 | C | Phoenix, Ariz. | —9:00 am—12:15 am |
| KRLC | ak | 250 | ..... | Lewiston, Idaho | |
| WHK | ak | 1000 | BM(2.5) | Cleveland, Ohio | —6:30 am—midnight |
| WQDM | dk | 1000 | D | St. Albans, Vt. | |

1400 keys. (214.2)

| | | | | | |
|-------|----|------|--------|--------------------|-------------------|
| CMGC | ad | 150 | ..... | Matanzas, Cuba | —8:00 am—11:00 pm |
| CKKR | z | 100 | ..... | Santiago, Cuba | |
| KIIBC | ak | 250 | CM | Hilo, T. H. | |
| KLO | ak | 500 | B | Ogden, Utah | —9:30 am—1:30 am |
| KTUL | ak | 500 | C (1) | Tulsa, Okla. | |
| WARD | ak | 500 | 2 | Brooklyn, N. Y. | |
| WBBC | ak | 500 | 2 (1) | Brooklyn, N. Y. | |
| WHDL | ak | 250 | D | Olean, N. Y. | |
| WIRE | ak | 1000 | MR (5) | Indianapolis, Ind. | —7:30 am—1:00 am |
| WLTH | ak | 500 | 2 | Brooklyn, N. Y. | |
| WVFW | ak | 500 | 2 | Brooklyn, N. Y. | |

1410 keys. (212.6)

| | | | | | |
|------|----|------|---------|--------------------|-------------------|
| CKFC | ak | 50 | 5 | Vancouver, B. C. | |
| CKMO | ak | 100 | 5 | Vancouver, B. C. | |
| CMCQ | ak | 5000 | ..... | Havana, Cuba | |
| KFJM | ak | 500 | (1) | Grand Forks, N. D. | |
| KGNC | ak | 1000 | (2.5) N | Amarillo, Texas | |
| KMED | ck | 250 | N | Medford, Ore. | |
| WAAB | ak | 500 | M (1) | Boston, Mass. | —24 hours daily |
| WBGM | ak | 500 | (1) | Bay City, Mich. | —9:00 am—12:30 pm |
| WHIS | ak | 500 | (1) | Bluefield, W. Va. | —5:00 am—..... |
| WROK | ak | 500 | (1) | Rockford, Ill. | —7:30 am—midnight |
| WSFA | ak | 500 | C (1) | Montgomery, Ala. | —7:30 am—midnight |

1420 keys. (211.1)

| | | | | | |
|------|----|-----|---------|---------------------|--------------------|
| CHLN | z | 100 | ..... | Three Rivers, P. O. | |
| CKGB | ak | 100 | F | North Bay, Ont. | —11:00 am—11:30 pm |
| KABC | ak | 100 | (.25) | San Antonio, Texas | —7:00 am—12:15 am |
| KABR | ak | 100 | XZ | Aberdeen, S. D. | |
| KATE | ak | 250 | D | Albert Lea, Minn. | —7:30 am—ss |
| KBPS | ak | 100 | 4 | Portland, Ore. | —2:00 pm—8:00 pm |
| KCMC | ak | 100 | (.25) | Texarkana, Tex. | |
| KEUB | ak | 100 | ..... | Price, Utah | —9:30 am—midnight |
| KFAM | z | 100 | P | St. Cloud, Minn. | |
| KFIZ | ak | 100 | ..... | Fond du Lac, Wis. | |
| KGFF | ak | 100 | (.25) M | Shawnee, Okla. | —8:00 am—10:00 pm |
| KGGC | ak | 100 | ..... | San Francisco, Cal. | |
| KGIW | ak | 100 | 1 | Alamosa, Colo. | —9:30 am—10:30 pm |
| KIDW | ak | 100 | 1 | Lamar, Colo. | —9:00 am—8:00 pm |
| KIUN | ak | 100 | ..... | Pecos, Texas | —8:00 am—10:00 pm |
| KLBM | z | 100 | (.25) P | La Grande, Ore. | |
| KNET | ak | 100 | D | Palestine, Texas | |
| KORE | ak | 100 | M | Eugene, Ore. | |
| KRBC | ak | 100 | (.25) | Abilene, Texas | —8:00 am—10:00 pm |
| KRLH | ak | 100 | D | Midland, Texas | |
| KTRI | z | 100 | (.25) P | Sioux City, Iowa | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

| | | | | | |
|-------|-------|-------|---------|----------------------|--------------------|
| KUMA | ak | 100 | .... | Yuma, Ariz. | |
| KWBG | ak | 100 | .... | Hutchinson, Kans. | |
| KXL | ak | 100 | 4 (.25) | Portland, Ore. | —All night station |
| WACO | ak | 100 | C | Waco, Texas | |
| WAGM | ak | 100 | .... | Presque Isle, Me. | —11:00 am—7:00 pm |
| WAPO | ak | 100 | (.25) | Chattanooga, Tenn. | —7:00 am—7:00 pm |
| WAZL | ak | 100 | 2 | Hazleton, Pa. | —9:00 am—10:00 pm |
| WCBS | ak | 100 | (.25) | Springfield, Ill. | —8:00 am—11:00 pm |
| WCHV | ak | 100 | 3 (.25) | Charlottesville, Va. | —7:00 am—midnight |
| WEED | ak | 100 | 3 (.25) | Rocky Mount, N. C. | |
| WELL | ak | 100 | .... | Battle Creek, Mich. | —7:30 am—midnight |
| WGPC | ak | 100 | .... | Albany, Ga. | |
| WHFC | ak | 100 | (.25) | Cicero, Ill. | —7:00 am—1:00 am |
| WILM | aj | 100 | 2 | Wilmington, Del. | |
| WJMS | ak | 100 | .... | Ironwood, Mich. | |
| WLAP | ak | 100 | (.25) | Lexington, Ky. | |
| WLEU | ak | 100 | (.25) B | Erie, Pa. | |
| WMAS | ak | 100 | C (.25) | Springfield, Mass. | —7:00 am—midnight |
| WMBC | ak | 100 | (.25) | Detroit, Mich. | —7:30 am—midnight |
| WMBH | ak | 100 | (.25) | Joplin, Mo. | |
| WMBB | ak | 250 | D | Uniontown, Pa. | —6:00 am—6:00 pm |
| WMFJ | ak | 100 | .... | Daytona Bch., Fla. | |
| WMSD | ak | 100 | .... | Sheffield, Ala. | —8:00 am—11:00 pm |
| WNNY | z | 100 | (.25) P | Watertown, N. Y. | |
| WPAD | ak | 100 | (.25) | Paducah, Ky. | —7:00 am—midnight |
| WPAR | ak | 100 | C | Parkersburg, W. V. | |
| WPRP | z | 100 | (.25) | Ponce, Puerto Rico | |
| ..... | ..... | ..... | P | Baumont, Texas | —..... |
| ..... | z | 100 | ..... | Kenora, Ont. | |

1430 kcys. (209.7)

| | | | | | |
|------|----|------|---------|--------------------|-------------------|
| CMJP | ak | 75 | .... | Moron, Cuba | |
| KECA | ak | 1000 | (5) B | Los Angeles, Cal. | —10:00 am—3:00 am |
| KGNF | ak | 1000 | D | North Platte, Neb. | —8:00 am—6:15 pm |
| KSO | ak | 500 | BM(2,5) | Des Moines, Iowa | |
| WBNS | ak | 500 | C (1) X | Columbus, Ohio | —6:30 am—..... |
| WHEC | ak | 500 | C (1) | Rochester, N. Y. | —7:00 am—midnight |
| WHP | ak | 500 | C (1) | Harrisburg, Pa. | —6:30 am—midnight |
| WMPS | ak | 500 | (1) B | Memphis, Tenn. | |
| WOKO | ak | 500 | C (1) | Albany, N. Y. | —8:00 am—1:00 am |

1440 kcys. (208.2)

| | | | | | |
|------|----|------|------|-------------------|-------------------|
| CMOA | z | 150 | .... | Havana, Cuba | |
| KDFN | ak | 500 | .... | Casper, Wyo. | |
| KELA | ak | 500 | M | Centralla, Wash. | |
| KXZY | ak | 1000 | B | Houston, Texas | —24 hours daily |
| WBIG | ak | 1000 | C | Greensboro, N. C. | —6:30 am—11:30 pm |
| WCBA | aj | 500 | a | Allentown, Pa. | —6:30 am—11:30 pm |
| WMBD | ak | 1000 | C(5) | Peoria, Ill. | —7:00 am—midnight |
| WNSN | aj | 500 | Na | Allentown, Pa. | —1:00 pm—11:30 pm |
| XEFI | ak | 250 | .... | Chihuahua, Chih. | |

1450 kcys. (206.8)

| | | | | | |
|------|----|------|-------|--------------------|--------------------|
| CFCT | ak | 500 | .... | Victoria, B. C. | —10:45 am—12:15 am |
| CHGS | ak | 50 | F | Summerside, P.E.I. | —6:30 am—10:00 pm |
| CMHM | z | 100 | .... | Cienfuegos, Cuba | |
| KGCX | ak | 1000 | .... | Wolf Point, Mont. | |
| KIEM | ak | 500 | M(1) | Eureka, Calif. | —10:00 am—1:00 am |
| KTBS | ak | 1000 | N | Shreveport, La. | —7:30 am—1:00 am |
| WAGA | ak | 500 | B (1) | Atlanta, Ga. | |
| WGAR | ak | 500 | C (1) | Cleveland, Ohio | —6:30 am—midnight |
| WHOM | ak | 250 | .... | Jersey City, N. J. | —7:00 am—midnight |
| WSAR | ak | 1000 | M | Fall River, Mass. | |
| XEF | ak | 100 | .... | Juarez, Chih. | |

1460 kcys. (205.4)

| | | | | | |
|------|----|-------|--------|-------------------|------------------|
| CMKF | z | 250 | .... | Holguin, Cuba | |
| KSTP | ak | 10000 | R (25) | St. Paul, Minn. | —7:00 am—2:00 am |
| WJSV | ak | 10000 | C | Washington, D. C. | |

1470 kcys. (204.0)

| | | | | | |
|------|----|------|----|------------------|--|
| KGA | ak | 5000 | BM | Spokane, Wash. | |
| WLAC | ak | 5000 | C | Nashville, Tenn. | |

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1480 keys. (202.6)

| | | | | | |
|------|----|------|---|--------------------|------------------|
| KOMA | ak | 5000 | C | Oklahoma City, Ok. | -7:30 am—1:00 am |
| WHIP | z | 5000 | D | Hammond, Ind. | -7:30 am—5:30 pm |
| WKBW | ak | 5000 | C | Buffalo, N. Y. | -8:00 am—1:00 am |

1490 keys. (201.2)

| | | | | | |
|------|----|-------|-----|--------------------|-------------------|
| KFBK | ak | 5000 | N X | Sacramento, Calif. | -7:00 am—midnight |
| WCKY | ak | 10000 | N | Covington, Ky. | |

1500 keys. (199.9)

| | | | | | |
|-------|----|-----------|--------|---------------------|--------------------|
| CJIC | ak | 100 | .... | S. S. Marie, Ont. | -10:00 am—10:00 pm |
| KAWM | z | 100 | .... | Gallup, N. Mex. | |
| KBIX | ak | 100 | M | Muskogee, Okla. | -8:00 am—11:00 pm |
| KBST | z | 100 | .... | Big Spring, Texas | |
| KDAL | ak | 100 | C | Duluth, Minn. | |
| KDB | ak | 100 | M(.25) | Santa Barbara, Cal. | |
| KGFI | ak | 100 | (.25) | Brownsville, Tex. | |
| KGKB | ak | 100 | (.25) | Tyler, Texas | |
| KGKY | ak | 100 | (.25) | Scottsbluff, Neb. | -8:30 am—11:00 pm |
| KNEL | ak | 250 | D | Brady, Texas | -8:00 am—6:00 pm |
| KNOW | ak | 100 | C | Austin, Texas | |
| KOTN | ak | 100 | D | Pine Bluff, Ark. | -8:00 am—ss |
| KOVC | ak | 100 | (.25) | Valley City, N. D. | -8:00 am—10:00 pm |
| KPLC | ak | 100 | (.25) | Lake Charles, La. | |
| KPLT | z | 250 | D | Paris, Texas | |
| KPO | ak | 100M(.25) | | Wenatchee, Wash. | |
| KRRR | ak | 100M(.25) | | Roseburg, Ore. | |
| KROD | ak | 100 | P | El Paso, Texas | |
| KSAL | ak | 100 | (.25) | Salina, Kans. | |
| KUTA | z | 100 | P | Salt Lake City, Ut. | |
| KVOE | ak | 100 | M | Santa Ana, Calif. | -Noon to 2:00 am |
| KWEW | z | 100 | DP | Hobbs, N. Mex. | |
| KXO | ak | 100 | .... | El Centro, Calif. | -11:00 am—midnight |
| KYSM | z | 100 | (.25)P | Mankato, Minn. | |
| WCNW | ak | 100 | 1(.25) | Brooklyn, N. Y. | -9:00 am—midnight |
| WDNC | ak | 100 | C | Durham, N. C. | -7:30 am—12:30 am |
| WGAL | ak | 100 | (.25) | Lancaster, Pa. | |
| WGIL | z | 250 | DP | Galesburg, Ill. | |
| WHBB | ak | 100 | .... | Selma, Ala. | -7:30 am—ss |
| WIIF | ak | 100 | (.25) | Kosciusko, Miss. | -7:30 am—10:00 pm |
| WJBK | ak | 100 | (.25) | Detroit, Mich. | -24 hours daily |
| WKAT | z | 100 | .... | Miami Beach, Fla. | |
| WKBB | ak | 100 | (.25) | E. Dubuque, Ill. | |
| WKBV | ak | 100 | (.25) | Richmond, Ind. | |
| WKBZ | ak | 100 | (.25) | Muskegon, Mich. | -7:00 am—10:00 pm |
| WKEU | ak | 100 | D | Griffin, Ga. | |
| WMBO | ak | 100 | 1 | Brooklyn, N. Y. | |
| WMEX | ak | 100 | (.25) | Boston, Mass. | |
| WNBK | ak | 100 | C(.25) | Binghamton, N. Y. | |
| WNLC | ak | 100 | DM | New London, Conn. | |
| WOMI | z | 100 | (.25) | Owensboro, Ky. | |
| WOPI | ak | 100 | .... | Bristol, Tenn. | -7:00 am—10:30 pm |
| WRDW | ak | 100 | C(.25) | Augusta, Ga. | -7:00 am—9:00 pm |
| WRGA | ak | 100 | (.25) | Rome, Ga. | -8:00 am—11:00 pm |
| WRID | z | 100 | B | Richmond, Va. | |
| WSYB | ak | 100 | .... | Rutland, Vt. | -10:00 am—9:00 pm |
| WTMV | ak | 100 | (.25) | E. St. Louis, Ill. | |
| WWRL | ak | 100 | 1(.25) | Woodside, N. Y. | -8:00 am—midnight |
| WWSW | ak | 100 | (.25) | Pittsburgh, Pa. | |
| ..... | z | 100 | (.25)P | Laredo, Texas | |

1510 keys. (198.6)

| | | | | | |
|------|----|-----|------|----------------|-------------------|
| CFRC | ak | 100 | F | Kingston, Ont. | -Noon—11:00 pm |
| CKCR | ak | 100 | .... | Waterloo, Ont. | -8:00 am—11:00 pm |

1530 keys. (196.0)

| | | | | | |
|------|----|------|------|-----------------------|-------------------|
| KXBY | ak | 1000 | .... | Kansas City, Mo. | -8:00 am—3:30 am |
| TGW | ak | 1000 | .... | Guatemala City, Guat. | |
| WBRV | ak | 1000 | M | Waterbury, Conn. | -8:00 am—midnight |

1550 keys. (193.4)

| | | | | | |
|------|----|------|------|---------------------|-------------------|
| KPMC | ak | 1000 | M | Bakersfield, Calif. | -10:00 am—2:00 am |
| WQXR | ak | 1000 | .... | New York, N. Y. | -10:00 am—9:15 pm |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

Frequency in kilocycles in second column. Night power in watts in third column. Net work affiliations in fourth column. C Columbia, R National Red, B National Blue, N National Red and Blue. F Canadian, M Mutual.

| ALABAMA | Pine Bluff | KSFO | 560 | 1000 C | DELAWARE |
|------------------|------------------|------------------|------|--------|----------------------|
| Birmingham | KOTN 1500 100 | KYA | 1230 | 1000 | Wilmington |
| WAPI 1140 5000 C | Siloam Springs | San Jose | | | WDEL 1120 250 R |
| WBRC 930 1000 R | KUOA 1260 5000 | KQW | 1010 | 1000 M | WILM 1420 100 R |
| WSGN 1310 100 B | | San Luis Obispo | | | |
| Decatur | CALIFORNIA | KVEE | 1200 | 250 | DISTRICT OF COLUMBIA |
| WMFO 1370 100 | Bakersfield | Santa Ana | | | Washington |
| Dothan | KERN 1370 100 N | KVOE | 1500 | 100 M | WJSV 1460 10000 C |
| WAGF 1370 250 | KPMC 1550 1000 M | Santa Barbara | | | WMAL 630 250 B |
| Gadsden | Berkeley | KDB | 1500 | 100 M | WOL 1310 100 M |
| WJBY 1210 100 | KRE 1370 100 | KTMS | 1220 | 500 B | WRC 950 500 R |
| Huntsville | Beverly Hills | Santa Rosa | | | |
| WBHP 1200 100 | KMPC 710 500 | KSRO | 1310 | 250 | FLORIDA |
| Mobile | Chico | Stockton | | | Clearwater |
| WALA 1380 500 C | KHSL 1260 250 | KGDM | 1100 | 1000 M | WFLA 620 1000 N |
| Montgomery | El Centro | KWG | 1200 | 100 N | Daytona Beach |
| WSFA 1410 500 C | KXO 1500 100 | Visalia | | | WMFJ 1420 100 |
| Selma | Eureka | KTKC | 1190 | 250 | Gainesville |
| WHBB 1500 100 | KIEM 1450 500 M | Watsonville | | | WRUF 830 5000 |
| Sheffield | Fresno | KHUB | 1310 | 250 | Jacksonville |
| WMSD 1420 100 | KARM 1310 100 C | | | | WJAX 900 1000 N |
| Tuscaloosa | KMJ 580 1000 N | COLORADO | | | WMBR 1370 100 C |
| WJRD 1200 250 | Glendale | Alamosa | | | Lakeland |
| | KIEF 850 250 | KGIW | 1420 | 100 | WLAK 1310 100 |
| | Hollywood | Colorado Springs | | | Miami |
| | KFWB 950 1000 | KVOR | 1270 | 1000 C | WIOD 610 1000 N |
| | Long Beach | Denver | | | WMBF 610 1000 |
| | KFOX 1250 1000 | KEFL | 920 | 500 M | WOAM 560 1000 C |
| | KGER 1360 1000 | KLZ | 560 | 1000 C | Miami Beach |
| | Los Angeles | KOA | 830 | 5000 R | WKAT 1500 100 |
| | KECA 1430 1000 B | KPOF | 880 | 1000 | Orlando |
| | KEHE 780 1000 | KVOD | 920 | 500 B | WDBO 580 1000 C |
| | KFAC 1300 1000 | Durango | | | Pensacola |
| | KFI 640 5000 R | KIUP | 1370 | 100 | WCOA 1340 500 C |
| | KFSQ 1120 500 | Grand Junction | | | St. Augustine |
| | KFVD 1000 1000 | KFXJ | 1200 | 100 | WFOY 1210 100 |
| | KGFJ 1200 100 | Greeley | | | St. Petersburg |
| | KHJ 900 1000 M | KFKA | 880 | 500 M | WSUN 620 1000 N |
| | KMTR 570 1000 | La Junta | | | Tallahassee |
| | KNX 1050 5000 C | KOKO | 1370 | 100 | WTAL 1310 100 |
| | KRKD 1120 500 | Lamar | | | Tampa |
| | Merced | KIDW | 1420 | 100 | WDAT 1220 1000 C |
| | KYOS 1040 250 | Pueblo | | | West Palm Beach |
| | Modesto | KGHF | 1320 | 500 B | WJNO 1200 100 C |
| | KTRB 740 250 | Sterling | | | GEORGIA |
| | Monterey | KGEK | 1200 | 100 | Albany |
| | KDON 1210 100 M | CONNECTICUT | | | WGPC 1420 100 |
| | Oakland | Bridgeport | | | Athens |
| | KLS 1280 250 | WICC | 600 | 500 M | WGAU 1310 100 |
| | KLX 880 1000 | Hartford | | | Atlanta |
| | KROW 930 1000 | WDRG | 1330 | 1000 C | WAGA 1450 500 |
| | Pasadena | WTIC | 1040 | 5000 R | WATL 1370 100 |
| | KPPC 1210 100 | WTHI | 1200 | 100 M | WGST 890 1000 C |
| | Redding | New Britain | | | WSB 740 5000 R |
| | KVCV 1200 100 | WNBC | 1380 | 250 | Augusta |
| | Sacramento | New Haven | | | WRDW 1500 100 C |
| | KFBF 1490 5000 N | WELL | 900 | 500 | Columbus |
| | KROY 1210 100 C | New London | | | WRBL 1200 100 |
| | San Bernardino | WNLC | 1500 | 100 M | Griffin |
| | KFXM 1210 100 M | Waterbury | | | WKEU 1500 100 |
| | San Diego | WATR | 1190 | 100 | Macon |
| | KFSD 600 1000 B | WBRY | 1530 | 1000 M | WMAZ 1180 1000 C |
| | KGB 1330 1000 M | | | | Rome |
| | San Francisco | | | | WRGA 1500 100 |
| | KFRG 610 1000 M | | | | Savannah |
| | KGGG 1420 100 | | | | WTOC 1260 1000 C |
| | KGO 790 7500 B | | | | |
| | KJBS 1070 500 | | | | |
| | KPO 680 5000 R | | | | |
| | | | | | |
| ALASKA | | | | | |
| Anchorage | | | | | |
| KFOG 780 250 | | | | | |
| Juneau | | | | | |
| KINY 1310 100 | | | | | |
| Ketchikan | | | | | |
| KGBU 900 500 | | | | | |
| ARIZONA | | | | | |
| Jerome | | | | | |
| KCRJ 1310 100 | | | | | |
| Lowell | | | | | |
| KSUN 1200 100 | | | | | |
| Phoenix | | | | | |
| KOY 1390 1000 C | | | | | |
| KTRAR 620 1000 N | | | | | |
| Tucson | | | | | |
| KGAR 1370 100 C | | | | | |
| KVOA 1260 1000 | | | | | |
| Yuma | | | | | |
| KUMA 1420 100 | | | | | |
| ARKANSAS | | | | | |
| Blytheville | | | | | |
| KLCN 1290 100 | | | | | |
| El Dorado | | | | | |
| KELD 1370 100 | | | | | |
| Fort Smith | | | | | |
| KFPW 1210 100 | | | | | |
| Hot Springs | | | | | |
| KTHS 1060 1000 N | | | | | |
| Jonesboro | | | | | |
| KBTM 1200 100 | | | | | |
| Little Rock | | | | | |
| KARK 890 500 N | | | | | |
| KGHI 1200 100 | | | | | |
| KLRA 1390 1000 C | | | | | |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | | |
|--|--|--|---|
| <p>Thomasville WPAX 1210 100</p> <p>Waycross WAYX 1200 100</p> <hr/> <p style="text-align: center;">HAWAII</p> <hr/> <p>Hilo KHBC 1400 250M</p> <p>Honolulu KGMB 1320 1000 C KGU 750 2500 N</p> <hr/> <p style="text-align: center;">IDAHO</p> <hr/> <p>Boise KIDO 1350 1000 N</p> <p>Coeur d'Alene KGGI 1200 100</p> <p>Idaho Falls KID 1320 500</p> <p>Lewiston KRLC 1390 250</p> <p>Nampa KFXD 1200 100</p> <p>Pocatello KSEI 900 250</p> <p>Twin Falls KTFI 1240 1000</p> <hr/> <p style="text-align: center;">ILLINOIS</p> <hr/> <p>Bloomington WJBC 1200 100</p> <p>Carthage WCAZ 1070 100</p> <p>Champaign WDWS 1370 100</p> <p>Chicago WAAF 920 1000 WBBM 770 50000 C WGBD 1080 5000 WGFL 970 5000 N WGRW 1210 100 WEDC 1210 100 WENR 870 50000 B WGES 1360 500 WGN 720 50000M WJJD 1130 20000 WLS 870 50000 B WMAQ 670 50000 R WMBI 1080 5000 WSBC 1210 100</p> <p>Gicero WHFC 1420 100</p> <p>Decatur WJBL 1200 100</p> <p>East Dubuque WKBB 1500 100</p> <p>East St. Louis WTMV 1500 100</p> <p>Galesburg WGIL 1500 250</p> <p>Harrisburg WEBQ 1210 100</p> <p>Joliet WCLS 1310 100</p> <p>Peoria WMBD 1440 1000 C</p> <p>Quincy WTAD 900 1000</p> | <p>Rockford WROK 1410 500</p> <p>Rock Island WHBF 1210 100</p> <p>Springfield WCBS 1420 100 WTAX 1210 100</p> <p>Tuscola WDZ 1020 250</p> <p>Urbana WILL 580 1000</p> <hr/> <p style="text-align: center;">INDIANA</p> <hr/> <p>Anderson WIBU 1210 100</p> <p>Elkhart WTRC 1310 100</p> <p>Evansville WEOA 1370 100 C WGBF 630 500 N</p> <p>Fort Wayne WGL 1370 100 N WOWO 1160 10000 B</p> <p>Gary WIND 560 1000</p> <p>Hammond WHIP 1480 5000 WWAE 1200 100</p> <p>Indianapolis WFBM 1230 1000 C WGVA 1050 1000 WIRE 1400 1000 R</p> <p>Muncie WLBC 1310 100</p> <p>New Albany WGRC 1370 250</p> <p>Richmond WKBV 1500 100</p> <p>South Bend WFAM 1200 100 WSBT 1360 500</p> <p>Terre Haute WBOW 1310 100 N</p> <p>West Lafayette WBAA 890 500</p> <hr/> <p style="text-align: center;">IOWA</p> <hr/> <p>Ames WOI 640 5000</p> <p>Boone KFGQ 1370 100</p> <p>Cedar Rapids WMT 600 1000 B</p> <p>Davenport WOC 1370 100 C</p> <p>Decorah KGCA 1270 100 KWLC 1270 100</p> <p>Des Moines KRNT 1320 1000 C KSO 1430 500 B WHO 1000 50000 R</p> <p>Dubuque KDTH 1340 500</p> <p>Iowa City WSUI 880 500</p> | <p>Marshalltown KFJB 1200 100</p> <p>Mason City KGLO 1210 100 C</p> <p>Shenandoah KFNF 890 500 KMA 930 1000</p> <p>Sioux City KSCJ 1330 1000 C KTRI 1420 100</p> <hr/> <p style="text-align: center;">KANSAS</p> <hr/> <p>Abilene KFBI 1050 5000</p> <p>Coffeyville KGGF 1010 10000M</p> <p>Dodge City KGN0 1340 250</p> <p>Garden City KIUL 1210 100</p> <p>Great Bend KVGB 1370 100</p> <p>Hutchinson KWBG 1420 100</p> <p>Kansas City KCKN 1310 100</p> <p>Lawrence KPKU 1220 1000 WREN 1220 1000 B</p> <p>Manhattan KSAC 580 500</p> <p>Pittsburg KOAM 790 1000 N</p> <p>Salina KSAI 1500 100</p> <p>Topeka WIBW 580 1000 C</p> <p>Wichita KANS 1210 100 B KFH 1300 1000 C</p> <hr/> <p style="text-align: center;">KENTUCKY</p> <hr/> <p>Ashland WCMI 1310 100</p> <p>Covington WCKY 1490 10000 N</p> <p>Lexington WLAP 1420 100</p> <p>Louisville WAVE 940 1000 N WHAS 820 50000 C</p> <p>Middlesboro WLMU 1210 100</p> <p>Owensboro WOMI 1500 100</p> <p>Paducah WPAD 1420 100</p> <hr/> <p style="text-align: center;">LOUISIANA</p> <hr/> <p>Alexandria KALB 1210 100</p> <p>Baton Rouge WJBO 1120 500 B</p> <p>Lafayette KVOL 1310 100</p> | <p>Lake Charles KPLC 1500 100</p> <p>Monroe KMLB 1200 100</p> <p>New Orleans WBNO 1200 100 WDSU 1250 1000 B WJBW 1200 100 WSMB 1320 1000 R WWL 850 10000 C</p> <p>Shreveport KRMD 1310 100 KTBS 1450 1000 N KWKII 1100 10000 C</p> <hr/> <p style="text-align: center;">MAINE</p> <hr/> <p>Augusta WRDO 1370 100M</p> <p>Bangor WABI 1200 100 WLBZ 620 500 C</p> <p>Portland WGSJ 940 1000 R WGAN 640 500</p> <p>Presque Isle WAGM 1420 100</p> <hr/> <p style="text-align: center;">MARYLAND</p> <hr/> <p>Baltimore WBAL 760 2500 B WBAL 1060 10000 B WCAO 600 500 C WCBM 1370 100 WFBR 1270 500 R</p> <p>College Park W3XJ 1060 100</p> <p>Cumberland WTBO 800 250</p> <p>Frederick WFMD 900 500</p> <p>Hagerstown WJEF 1210 50</p> <p>Salisbury WSAL 1200 250</p> <hr/> <p style="text-align: center;">MASSACHUSETTS</p> <hr/> <p>Boston WBAB 1410 500M WBZ 990 50000 B WCOP 1120 500 WEEL 590 1000 C WHDH 830 1000 WMEX 1500 100 WNAC 1230 1000 R WORL 920 500</p> <p>Fall River WSAR 1450 1000M</p> <p>Greenfield WHAI 1210 250</p> <p>Lawrence WLAW 680 1000 WLLH 1370 100</p> <p>Lowell WLLH 1370 100M</p> <p>New Bedford WNBH 1310 100M</p> <p>Pittsfield WBRK 1310 100 C</p> |
|--|--|--|---|

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | | |
|---|---|--|--|
| <p>Springfield WBZA 990 1000 B WMAS 1420 100 C WSFR 1140 500M Worcester WORC 1280 500 C WTAG 580 1000 R</p> | <p>St. Paul KSTP 1460 10000 R WMIN 1370 100 Virginia WILB 1370 100 C Winona KWNO 1200 250</p> | <p>Wolf Point KGCX 1450 1000</p> | <p>Gallup KAWM 1500 100 Hobbs KWEW 1500 100 Roswell KGFL 1370 100 Santa Fe KRQA 1310 100</p> |
| MICHIGAN | MISSISSIPPI | NEBRASKA | NEW YORK |
| <p>Battle Creek WELL 1420 100 Bay City WBCM 1410 500 Calumet WHDF 1370 100 Detroit WJBK 1500 100 WJR 750 50000 C WBMC 1420 100 WWJ 920 5000 R WXYZ 1240 1000 B East Lansing WKAR 850 1000 Flint WFDF 1310 100 Grand Rapids WASH 1270 500 N WOOD 1270 500 N Ironwood WJMS 1420 100 Jackson WIBM 1370 100 Kalamazoo WKZO 590 1000 B Lansing WJIM 1210 100 Lapeer WMPC 1200 100 Marquette WBEO 1310 100 Muskegon WKBZ 1500 100 Royal Oak WEXL 1310 50 Saginaw WHAL 950 500</p> | <p>Grenada WGRM 1210 100 Gulfport WGCM 1210 100 Hattiesburg WFOR 1370 100 Jackson WJDJ 1270 1000 R Kosciusko WHFE 1500 100 Laurel WAML 1310 100 Meridian WCOC 880 500 C Vicksburg WQBC 1360 1000</p> | <p>Clay Center KMMJ 740 1000 Kearney KGFV 1310 100 Lincoln KFAB 770 10000 C KFOR 1210 100 C Norfolk WJAG 1060 1000 North Platte KGNF 1430 1000 Omaha KOIL 1260 1000 B WAAW 660 500 WOW 590 1000 R Scottsbluff KGGY 1500 100</p> | <p>Albany WABY 1370 100 WOKO 1430 500 C Auburn WMOB 1310 100 Binghamton WNBF 1500 100 C Brooklyn WARD 1400 500 WBBC 1400 500 WBRR 1300 1000 WCNW 1500 100 WLTH 1400 500 WMOB 1500 100 WVFW 1400 500 Buffalo WBEN 900 1000 R WBNI 1370 100 WBRR 1310 100 B WGR 550 1000 C WKBW 1480 5000 C WSVS 1370 50 Canton WCAD 1220 50 Elmira WESG 850 1000 C Freeport WGBB 1210 100 Jamestown WJTN 1210 100 B Newburgh WGNV 1210 100 New York WABC 860 50000 C WBIL 1100 5000 WBNX 1350 1000 WBOQ 860 50000 WEAF 660 50000 R WEVD 1300 1000 WFAB 1300 1000 WHN 1010 1000 WINS 1180 1000 WJZ 760 50000 B WMCA 570 1000 WNEV 1250 1000 WNYC 810 1000 WOV 1130 1000 WQXR 1550 1000 Olean WHDL 1400 250 Plattsburg WMFF 1310 100 Rochester WHAM 1150 50000 B WHEC 1430 500 C WSAY 1210 100 Saranac Lake WNBZ 1290 100 Schenectady WGY 790 50000 R Syracuse WFBL 1360 1000 C WSYR 570 1000 B</p> |
| MINNESOTA | MISSOURI | NEVADA | |
| <p>Albert Lea KATE 1420 250 Duluth KDAL 1500 100 C WEBC 1290 1000 N Fergus Falls KGDE 1200 100 Hibbing WMFG 1210 100 Mankato KYSM 1500 100 Minneapolis WCCO 810 50000 C WDGY 1180 1000 C WLB 1250 1000 WTCN 1250 1000 B Moorhead KVOX 1310 100 Northfield WCAL 1250 1000 Rochester KROC 1310 100 St. Cloud KFAM 1420 100</p> | <p>Cape Girardeau KFVS 1210 100 Columbia KFRU 630 500 Jefferson City KWOS 1310 100 Joplin WMBH 1420 100 Kansas City KCMO 1370 100 KMBC 950 1000 C KXBY 1530 1000 WDAF 610 1000 R WHB 860 1000M Poplar Bluff KWOC 1310 100 St. Joseph KFEQ 680 2500 St. Louis KPUO 550 500 KMOX 1090 50000 C KSD 550 1000 R KWK 1350 1000 B KXOK 1250 1000 WEW 760 1000 WIL 1200 100 Springfield KGBX 1230 500 N KWTO 560 5000</p> | <p>Reno KOH 1380 500 C</p> | |
| | MISSOURI | NEW HAMPSHIRE | |
| | <p>Laconia WLNH 1310 100M Manchester WFEA 1340 500 N Portsmouth WHEB 740 250</p> | NEW JERSEY | |
| | | <p>Asbury Park WCAP 1280 500 Atlantic City WPG 1100 5000 C Bridgeton WSNJ 1210 100 Camden WCAM 1280 500 Jersey City WAAT 940 500 WHOM 1450 250 Newark WHBI 1250 1000 WOR 710 5000M Red Bank WBRB 1210 100 Trenton WTNJ 1280 500 Whippany W3XDD 50000 Zarephath WAWZ 1350 500</p> | |
| | MONTANA | NEW MEXICO | |
| | <p>Billings KGHL 780 1000 N Butte KGIR 1340 1000 N Great Falls KFBB 1280 1000 C Helena KPFA 1210 100 Kalispell KGEZ 1310 100 Lewistown KDNC 1200 100 Missoula KGVV 1260 1000 C</p> | <p>Albuquerque KGGM 1230 1000 KOB 1180 10000 N Carlsbad KLAH 1210 100 Clovis KICA 1370 100</p> | |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | |
|--------------|------|-------|
| Troy | | |
| WHAZ | 1300 | 1000 |
| Utica | | |
| WIBX | 1200 | 100 C |
| Watertown | | |
| WNNY | 1420 | 100 |
| White Plains | | |
| WFAS | 1210 | 100 |
| Woodside | | |
| WWRL | 1500 | 100 |

NORTH CAROLINA

| | | |
|---------------|------|---------|
| Asheville | | |
| WWNC | 570 | 1000 N |
| Charlotte | | |
| WBT | 1080 | 50000 C |
| WSOC | 1210 | 100 N |
| Durham | | |
| WDNC | 1500 | 100 C |
| Greensboro | | |
| WBIG | 1440 | 1000 C |
| High Point | | |
| WMFR | 1200 | 100 |
| Kinston | | |
| WFYC | 1200 | 100 |
| Raleigh | | |
| WPTF | 680 | 1000 N |
| Rocky Mount | | |
| WEED | 1420 | 100 |
| Wilmington | | |
| WMFD | 1370 | 100 |
| Wilson | | |
| WGTM | 1310 | 100 |
| Winston-Salem | | |
| WAIR | 1250 | 250 |
| WSJS | 1310 | 100 C |

NORTH DAKOTA

| | | |
|-------------|------|--------|
| Bismarck | | |
| KFYR | 550 | 1000 N |
| Devils Lake | | |
| KDLR | 1210 | 100 |
| Fargo | | |
| WDAY | 940 | 1000 N |
| Grand Forks | | |
| KFJM | 1410 | 500 |
| Jamestown | | |
| KRMC | 1370 | 100 |
| Mandan | | |
| KGGU | 1240 | 250 |
| Minot | | |
| KLPM | 1240 | 250 |
| Valley City | | |
| KOVC | 1500 | 100 |

OHIO

| | | |
|------------|------|----------|
| Akron | | |
| WADC | 1320 | 1000 C |
| WJW | 1210 | 100 |
| Ashtabula | | |
| WICA | 940 | 250 |
| Canton | | |
| WHBC | 1200 | 100 |
| Cincinnati | | |
| WCPO | 1200 | 100 |
| WKRC | 550 | 1000 C |
| WLW | 700 | 500000 N |

| | | |
|-----------|------|---------|
| WSAI | 1330 | 1000 N |
| W8XO | 700 | 500000 |
| Cleveland | | |
| WCLE | 610 | 500 M |
| WGAR | 1450 | 500 C |
| WHK | 1390 | 1000 B |
| WTAM | 1070 | 50000 R |
| Columbus | | |
| WBNS | 1430 | 500 C |
| WCOL | 1210 | 100 N |
| WHKC | 640 | 500 |
| WOSU | 570 | 750 |

| | | |
|------------|------|--------|
| Dayton | | |
| WHIO | 1260 | 1000 C |
| WSMK | 1380 | 200 C |
| Lima | | |
| WBLV | 1210 | 100 |
| Portsmouth | | |
| WPAY | 1370 | 100 |
| Toledo | | |
| WSPD | 1340 | 1000 B |
| WTOL | 1200 | 100 |
| Youngstown | | |
| WKBN | 570 | 500 C |
| Zanesville | | |
| WALR | 1210 | 100 |

OKLAHOMA

| | | |
|---------------|------|---------|
| Ada | | |
| KADA | 1200 | 100 M |
| Ardmore | | |
| KVSO | 1210 | 100 M |
| Elk City | | |
| KASA | 1210 | 100 |
| Enid | | |
| KCRC | 1360 | 250 M |
| Muskogee | | |
| KBIX | 1500 | 100 M |
| Norman | | |
| WNAD | 1010 | 1000 |
| Oklahoma City | | |
| KFXR | 1310 | 100 |
| KOMA | 1480 | 5000 C |
| KTOK | 1370 | 100 M |
| WKY | 900 | 1000 N |
| Okmulgee | | |
| KHBB | 1210 | 100 |
| Ponca City | | |
| WBBZ | 1200 | 100 M |
| Shawnee | | |
| KGFF | 1420 | 100 M |
| Tulsa | | |
| KTUL | 1400 | 500 C |
| KVOO | 1140 | 25000 N |

OREGON

| | | |
|---------------|------|-------|
| Astoria | | |
| KAST | 1370 | 100 |
| Corvallis | | |
| KOAC | 550 | 1000 |
| Eugene | | |
| KORE | 1420 | 100 M |
| Klamath Falls | | |
| KFJI | 1210 | 100 |
| La Grande | | |
| KLBM | 1420 | 100 |
| Marshfield | | |
| KOOS | 1200 | 100 |
| Medford | | |
| KMED | 1410 | 250 N |

| | | |
|----------|------|--------|
| Portland | | |
| KALE | 1300 | 1000 M |
| KBPS | 1420 | 100 |
| KEX | 1180 | 5000 B |
| KGW | 620 | 1000 R |
| KOIN | 940 | 1000 C |
| KWJJ | 1040 | 500 |
| KXL | 1420 | 100 |
| Roseburg | | |
| KRNR | 1500 | 100 M |
| Salem | | |
| KSLM | 1370 | 100 M |

PENNSYLVANIA

| | | |
|--------------|------|---------|
| Allentown | | |
| WCBA | 1440 | 500 |
| WSAN | 1440 | 500 N |
| Altoona | | |
| WFBG | 1310 | 100 |
| Easton | | |
| WEST | 1200 | 100 |
| Erie | | |
| WLEU | 1420 | 100 B |
| Glenside | | |
| WIBG | 970 | 100 |
| Greensburg | | |
| WHJB | 620 | 250 C |
| Grove City | | |
| WSAJ | 1310 | 100 |
| Harrisburg | | |
| WHIP | 1430 | 500 C |
| WKBO | 1200 | 100 |
| Hazleton | | |
| WAZL | 1420 | 100 |
| Johnstown | | |
| WJAC | 1310 | 100 |
| Lancaster | | |
| WGAL | 1500 | 100 |
| Philadelphia | | |
| KYW | 1020 | 10000 R |
| WGCU | 1170 | 50000 C |
| WDAS | 1370 | 100 |
| WFIL | 560 | 1000 B |
| WHAT | 1310 | 100 |
| WIP | 610 | 1000 |
| WPEN | 920 | 1000 |
| WRAX | 920 | 1000 |
| WTEL | 1310 | 100 |
| Pittsburgh | | |
| KDKA | 980 | 50000 B |
| KQV | 1380 | 500 C |
| WCAE | 1220 | 1000 R |
| WJAS | 1290 | 1000 C |
| WWSW | 1500 | 100 |
| Reading | | |
| WEEU | 830 | 1000 |
| WRAW | 1310 | 100 |
| Scranton | | |
| WGBI | 880 | 500 |
| WOAN | 880 | 500 |
| Sunbury | | |
| WKOK | 1210 | 100 |
| Uniontown | | |
| WMBS | 1420 | 250 |
| Wilkes-Barre | | |
| WRAX | 1210 | 100 |
| WBRE | 1310 | 100 N |
| Williamsport | | |
| WRAC | 1370 | 100 |

| | | |
|------|------|--------|
| York | | |
| WORK | 1320 | 1000 N |

PUERTO RICO

| | | |
|----------|------|------|
| Mayaguez | | |
| WPRA | 1370 | 100 |
| Ponce | | |
| WPRP | 1420 | 100 |
| San Juan | | |
| WKAQ | 1240 | 1000 |
| WNEL | 1290 | 1000 |

RHODE ISLAND

| | | |
|------------|-----|--------|
| Providence | | |
| WEAN | 780 | 1000 M |
| WJAR | 890 | 1000 R |
| WPRO | 630 | 500 C |

SOUTH CAROLINA

| | | |
|-------------|------|--------|
| Anderson | | |
| WAIM | 1200 | 100 C |
| Charleston | | |
| WCSC | 1360 | 500 N |
| Columbia | | |
| WIS | 560 | 1000 N |
| Florence | | |
| WOLS | 1200 | 100 |
| Greenville | | |
| WFBC | 1300 | 1000 N |
| Spartanburg | | |
| WSPA | 920 | 1000 |

SOUTH DAKOTA

| | | |
|-------------|------|--------|
| Aberdeen | | |
| KABR | 1420 | 100 |
| Brookings | | |
| KFDY | 780 | 1000 |
| Huron | | |
| KGDY | 1340 | 250 |
| Pierre | | |
| KGFX | 630 | 200 |
| Rapid City | | |
| KOBH | 1370 | 100 |
| WCAT | 1200 | 100 |
| Sioux Falls | | |
| KELO | 1200 | 100 N |
| KSOO | 1110 | 2500 N |
| Vermillion | | |
| KUSD | 890 | 500 |
| Watertown | | |
| KWTN | 1210 | 100 |
| Yankton | | |
| WNAX | 570 | 1000 C |

TENNESSEE

| | | |
|-------------|------|--------|
| Bristol | | |
| WOPI | 1500 | 100 |
| Chattanooga | | |
| WAPO | 1420 | 100 |
| WDOD | 1280 | 1000 C |
| Jackson | | |
| WTJS | 1310 | 100 |
| Knoxville | | |
| WNOX | 1010 | 1000 C |
| WROL | 1310 | 100 N |
| Memphis | | |
| WHBQ | 1370 | 100 |
| WMC | 780 | 1000 R |
| WMP3 | 1430 | 500 B |
| WREC | 600 | 1000 C |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | | |
|--|---|---|--|
| <p>Nashville WLAC 1470 5000 C WSIX 1210 100 WSM 650 50000 N</p> <p style="text-align: center;">TEXAS</p> <p>Abilene KRBC 1420 100</p> <p>Amarillo KGNC 1410 1000 N</p> <p>Austin KNOW 1500 100 C KTBC 1120 1000</p> <p>Beaumont KFDM 560 500 N 1420 100</p> <p>Big Spring KBST 1500 100</p> <p>Brady KNEL 1500 250</p> <p>Brownsville KGFI 1500 100</p> <p>College Station WTAW 1120 500</p> <p>Corpus Christi KRIS 1330 500 N</p> <p>Corsicana KAND 1310 100</p> <p>Dallas KRLD 1040 10000 C WFAA 800 50000 N WRR 1280 500M</p> <p>Denton 1420 100</p> <p>Dublin KFPL 1310 100</p> <p>El Paso KROD 1500 100 KTSM 1310 100 N WDAH 1310 100</p> <p>Fort Worth KFJZ 1370 100 KTAT 1240 1000M WBP 800 50000 N</p> <p>Galveston KLUF 1370 100</p> <p>Greenville KGVV 1200 100</p> <p>Houston KPRC 920 1000 R KTRH 1290 1000 C KXYZ 1440 1000 B</p> <p>Kilgore KOCA 1210 100</p> <p>Laredo 1500 100</p> <p>Longview KFRO 1370 250</p> <p>Lubbock KFYO 1310 100</p> <p>Lufkin KRBA 1310 100</p> <p>Midland KRLH 1420 100</p> <p>Palestine KNET 1420 100</p> <p>Pampa KPDN 1310 100</p> <p>Paris KPLT 1500 250</p> <p>Pecos KIUN 1420 100</p> <p>Port Arthur KPAC 1260 500</p> | <p>San Angelo KGKL 1370 100</p> <p>San Antonio KABC 1420 100 KMAC 1370 100 KONO 1370 100 KTSA 550 1000 C WOAI 1190 50000 N</p> <p>Sherman KRRV 1310 250</p> <p>Temple KTEM 1370 250</p> <p>Texarkana KCMC 1420 100</p> <p>Tyler KGKB 1500 100</p> <p>Waco WACO 1420 100 C</p> <p>Weslaco KRGV 1260 1000 N</p> <p>Wichita Falls KGGO 570 250 C</p> <p style="text-align: center;">UTAH</p> <p>Cedar City KSUB 1310 100</p> <p>Logan 1500 100</p> <p>Ogden KLO 1400 500 B</p> <p>Price KEUB 1420 100</p> <p>Salt Lake City KDYL 1290 1000 R KSL 1130 50000 C KUTA 1500 100</p> <p style="text-align: center;">VERMONT</p> <p>Burlington WCAX 1200 100</p> <p>Rutland WSYB 1500 100</p> <p>St. Albans WQDM 1390 1000</p> <p>Springfield WNBX 1260 500 C</p> <p>Waterbury WDEV 550 500</p> <p style="text-align: center;">VIRGINIA</p> <p>Charlottesville WCHV 1420 100</p> <p>Danville WBTV 1370 100</p> <p>Harrisonburg WSVA 550 500</p> <p>Lynchburg WLVA 1200 100</p> <p>Newport News WGH 1310 100</p> <p>Norfolk WTAR 780 1000 N</p> <p>Richmond WBBL 1210 100 WMBG 1350 500 R WRNL 880 500 WRTD 1500 100 B WRVA 1110 5000 C</p> <p>Roanoke WDBJ 930 1000 C</p> <p style="text-align: center;">WASHINGTON</p> <p>Aberdeen KXRO 1310 100M</p> | <p>Bellingham KVOS 1200 100M</p> <p>Centralia KELA 1440 500M</p> <p>Everett KRKO 1370 50</p> <p>Longview KWLK 780 250</p> <p>Olympia KGYV 1210 100M</p> <p>Pullman KWSG 1220 1000</p> <p>Seattle KEEN 1370 100 KIRO 710 1000 C KJR 970 5000 B KOL 1270 1000M KOMO 920 1000 R KRSC 1120 250 KTW 1220 1000 KXA 760 250</p> <p>Spokane KFIO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KIIQ 590 1000 R</p> <p>Tacoma KMO 1330 1000M</p> <p>KVI 570 1000 C</p> <p>Walla Walla KUJ 1370 100</p> <p>Wenatchee KPO 1500 100M</p> <p>Yakima KIT 1250 250M</p> <p style="text-align: center;">WEST VIRGINIA</p> <p>Bluefield WHIS 1410 500</p> <p>Charleston WCBS 580 500 C</p> <p>Clarksburg WBLK 1370 100</p> <p>Fairmont WMMN 890 500 C</p> <p>Huntington WSAZ 1190 1000</p> <p>Parkersburg WPAP 1420 100 C</p> <p>Wheeling WWVA 1160 5000 C</p> <p style="text-align: center;">WISCONSIN</p> <p>Eau Claire WEAU 1050 1000</p> <p>Fond du Lac KFIZ 1420 100</p> <p>Green Bay WHBY 1200 100 WTAQ 1330 1000 C</p> <p>Janesville WCLO 1200 100</p> <p>LaCrosse WKBH 1380 1000 C</p> <p>Madison WHA 940 5000 WIBA 1280 1000 N</p> <p>Manitowoc WOMT 1210 100</p> <p>Milwaukee WEMP 1310 100</p> | <p>WISN 1120 250 C WTMJ 620 1000 N</p> <p>Poyette WBUR 1210 100</p> <p>Racine WRJN 1370 100</p> <p>Sheboygan WHBL 1300 250</p> <p>Stevens Point WLBL 900 5000</p> <p>Superior WDSM 1200 100</p> <p>Wausau WSAU 1370 100</p> <p style="text-align: center;">WYOMING</p> <p>Casper KDFN 1440 500</p> <p>Rock Springs KVR5 1370 100</p> <p>Sheridan KWYO 1370 100</p> <p style="text-align: center;">BAHAMAS</p> <p>Nassau ZNS 540 400</p> <p style="text-align: center;">CANADA</p> <p style="text-align: center;">ALBERTA</p> <p>Calgary CFAC 930 1000 F CFCN 1030 10000 F CJ CJ 690 100 F</p> <p>Edmonton CFRN 960 100 F CJCA 730 1000 F CKUA 580 500 F</p> <p>Grande Prairie CFGP 1200 100</p> <p>Lethbridge CJOC 950 100 F</p> <p style="text-align: center;">BRIT. COLUMBIA</p> <p>Chilliwack CHWK 780 100 F</p> <p>Kamloops CFJC 880 1000 F</p> <p>Kelowna CKOV 630 100 F</p> <p>Prince Rupert CFPR 580 50</p> <p>Trail CJAT 910 1000 F</p> <p>Vancouver CBR 1100 5000 F CFOR 600 500 CKCD 1010 100 CKFC 1410 50 CKMO 1410 100 CKWX 1010 100</p> <p>Victoria CFCT 1450 500</p> <p style="text-align: center;">MANITOBA</p> <p>Brandon CKX 1120 1000 F</p> <p>Flin Flon CFAR 1370 100</p> |
|--|---|---|--|

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| | | | |
|--|--|---|--|
| Winnipeg CJRC 630 500 F CKY 910 15000 F | Waterloo CKCR 1510 100 Windsor CKLW 1030 5000 F Wingham CKNX 1200 100 | Cardenas CMGE 1370 150 Ciego de Avila CMJH 1360 50 CMJI 1130 150 CMJO 1180 50 Cienfuegos CMHJ 1160 175 CMHM 1450 100 CMHX 760 200 Cruces CMHK 1330 250 Guantanamo CMKS 960 | CMKW 1350 |
| NEW BRUNSWICK | PRINCE EDWARD ISLAND | | DOMINICAN REPUBLIC |
| Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F | Charlottetown CFCY 630 1000 F CHCK 1310 50 Summerside CHGS 1450 50 F | Havana CMBC 950 10000 CMBD 1260 500 CMBF 770 10000 CMBL 750 2500 CMBQ 680 5000 CMBS 1170 150 CMBX 1070 500 CMBY 970 150 CMBZ 1000 500 CMC 1260 150 CMCA 1350 450 CMCB 1230 150 CMCD 630 250 CMCF 810 600 CMCG 680 1000 CMCJ 1110 500 CMCK 1030 | Trujillo HIX 800 800 |
| N. W. TERRITORY | QUEBEC | | GUATEMALA |
| Aklavik CJCU 1210 50 | Chicoutimi CRCS 1120 100 F Hull CKKH 1210 100 F Montreal CBF 910 5000 N CBM 1050 5000 F CFCF 600 500 B CHLP 1120 100 F CKAK 730 5000 C New Carlisle CHNC 960 1000 F Quebec CHRC 580 100 CKCV 1310 100 F CRCK 950 1000 F Rimouski CJBR 1030 1000 F Sherbrooke CHLT 1210 100 Three Rivers CHLN 1420 100 | | Guatemala City TGW 1520 1000 |
| NOVA SCOTIA | SASKATCHEWAN | | MEXICO |
| Glace Bay VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIK 1010 50 Yarmouth CJLS 1310 100 | Moose Jaw CHAB 1200 100 F Prince Albert CKBI 1210 100 F Regina CJRM 540 1000 F CKCK 1010 1000 F Saskatoon CFQC 840 1000 F Yorkton CJGX 1390 100 F | | AGUASCALIENTES |
| ONTARIO | COSTA RICA | | Aguascalientes XEBI 1000 25 |
| Brantford CKPC 930 100 F Chatham CFGO 630 100 F Cobalt CKMC 1210 50 Fort William CKFR 730 100 F Hamilton CHML 1010 100 F CKOC 1120 500 F Kenora 1420 100 Kingston CFRC 1510 100 F London CFPL 730 100 F North Bay CFCH 930 100 F CJKL 1310 100 CKGB 1420 100 Ottawa CBO 880 1000 F CKCO 1010 100 F Owen Sound 1370 100 Prescott CFLC 930 100 St. Catharines CKTB 1200 100 F Sault Ste. Marie CJIC 1500 100 Stratford CJCS 1210 50 Sudbury CKSO 780 1000 F Toronto CBL 840 50000 F CFRB 690 10000 C CKGL 580 100 F CRCY 960 100 F | San Jose TIEP 880 1000 TIGP 625 2000 TIX 650 | | BAJA CALIFORNIA |
| | CUBA | | Mexicali XEAA 750 200 XEAO 660 250 Rosarito Beach XERB 730 100000 Tijuana XEAC 980 1000 XEBG 820 1000 XEC 1150 100 XELO 580 10000 XEMO 860 5000 XEOK 760 2500 |
| | | | CHIHUAHUA |
| | | | Chihuahua XEBU 1200 50 XEFI 1440 250 Juarez XEFV 1210 100 XEF 1450 100 XEJ 1020 1000 XEP 1160 500 Parral XEAT 1210 250 |
| | | | COAHUILA |
| | | | Piedras Negras XEMU 580 250 XEPN 730 100000 Sabinas XEBX 640 250 Saltillo XEAS 1160 100 XELA 1240 50 Torreon XETB 1310 125 Villa Acuna XEDH 1340 200 XERA 840 250000 |
| | | | D. F. |
| | | | Gral. Anaya XEDA 1220 200 |

NORTH AMERICAN B. C. STATIONS BY LOCATIONS

| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Mexico City</th> </tr> </thead> <tbody> <tr><td>XEAI</td><td>1250 500</td></tr> <tr><td>XEAL</td><td>660 1000</td></tr> <tr><td>XEB</td><td>1030 10000</td></tr> <tr><td>XEBS</td><td>1340 200</td></tr> <tr><td>XEBZ</td><td>810 100</td></tr> <tr><td>XEDP</td><td>1080 500</td></tr> <tr><td>XEJP</td><td>1130 100</td></tr> <tr><td>XEJW</td><td>870 500</td></tr> <tr><td>XEK</td><td>890 100</td></tr> <tr><td>XEL</td><td>1100 250</td></tr> <tr><td>XELZ</td><td>1370 100</td></tr> <tr><td>XEMX</td><td>1280 100</td></tr> <tr><td>XEN</td><td>780 1000</td></tr> <tr><td>XENC</td><td>860 50</td></tr> <tr><td>XEW</td><td>890 50000</td></tr> <tr><td>XEXM</td><td>610 500</td></tr> <tr><td>XEXS</td><td>1310 100</td></tr> <tr><td>XEYO</td><td>610 500</td></tr> <tr> <th colspan="2" style="text-align: left;">Durango</th> </tr> <tr><td>XEFA</td><td>1180 500</td></tr> <tr><td>XEXE</td><td>1270 17</td></tr> </tbody> </table> | Mexico City | | XEAI | 1250 500 | XEAL | 660 1000 | XEB | 1030 10000 | XEBS | 1340 200 | XEBZ | 810 100 | XEDP | 1080 500 | XEJP | 1130 100 | XEJW | 870 500 | XEK | 890 100 | XEL | 1100 250 | XELZ | 1370 100 | XEMX | 1280 100 | XEN | 780 1000 | XENC | 860 50 | XEW | 890 50000 | XEXM | 610 500 | XEXS | 1310 100 | XEYO | 610 500 | Durango | | XEFA | 1180 500 | XEXE | 1270 17 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Leon</th> </tr> </thead> <tbody> <tr><td>XEFM</td><td>1160 20</td></tr> <tr><td>XEKL</td><td>1240 500</td></tr> <tr> <th colspan="2" style="text-align: center;">JALISCO</th> </tr> <tr> <th colspan="2" style="text-align: left;">Guadalajara</th> </tr> <tr><td>XED</td><td>1160 2500</td></tr> <tr> <th colspan="2" style="text-align: left;">Guzman</th> </tr> <tr><td>XEBA</td><td>1080 20</td></tr> <tr> <th colspan="2" style="text-align: center;">MICHIOACAN</th> </tr> <tr> <th colspan="2" style="text-align: left;">Morelia</th> </tr> <tr><td>XEI</td><td>1370 125</td></tr> <tr> <th colspan="2" style="text-align: center;">NUEVO LEON</th> </tr> <tr> <th colspan="2" style="text-align: left;">Monterrey</th> </tr> <tr><td>XEFB</td><td>870 200</td></tr> <tr><td>XEG</td><td>1230 250</td></tr> <tr><td>XEH</td><td>720 250</td></tr> <tr><td>XET</td><td>600 5000</td></tr> <tr><td>XEX</td><td>1310 125</td></tr> <tr> <th colspan="2" style="text-align: center;">PUEBLA</th> </tr> <tr> <th colspan="2" style="text-align: left;">Puebla</th> </tr> <tr><td>XETH</td><td>1210 100</td></tr> <tr> <th colspan="2" style="text-align: center;">SAN LUIS POTOSI</th> </tr> <tr> <th colspan="2" style="text-align: left;">San Luis Potosi</th> </tr> <tr><td>XECZ</td><td>1370 100</td></tr> <tr><td>XEXH</td><td>1250 250</td></tr> </tbody> </table> | Leon | | XEFM | 1160 20 | XEKL | 1240 500 | JALISCO | | Guadalajara | | XED | 1160 2500 | Guzman | | XEBA | 1080 20 | MICHIOACAN | | Morelia | | XEI | 1370 125 | NUEVO LEON | | Monterrey | | XEFB | 870 200 | XEG | 1230 250 | XEH | 720 250 | XET | 600 5000 | XEX | 1310 125 | PUEBLA | | Puebla | | XETH | 1210 100 | SAN LUIS POTOSI | | San Luis Potosi | | XECZ | 1370 100 | XEXH | 1250 250 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">SINALOA</th> </tr> </thead> <tbody> <tr> <th colspan="2" style="text-align: left;">Mazatlan</th> </tr> <tr><td>XEBL</td><td>1220 50</td></tr> <tr> <th colspan="2" style="text-align: center;">SONORA</th> </tr> <tr> <th colspan="2" style="text-align: left;">Cananea</th> </tr> <tr><td>XEFQ</td><td>1010 50</td></tr> <tr> <th colspan="2" style="text-align: left;">Hermosillo</th> </tr> <tr><td>XEBH</td><td>930 500</td></tr> <tr> <th colspan="2" style="text-align: left;">Nogales</th> </tr> <tr><td>XEAF</td><td>990 750</td></tr> <tr> <th colspan="2" style="text-align: left;">Obregon</th> </tr> <tr><td>XEAP</td><td>1340 50</td></tr> <tr> <th colspan="2" style="text-align: center;">TAMAULIPAS</th> </tr> <tr> <th colspan="2" style="text-align: left;">Matamoros</th> </tr> <tr><td>XEAM</td><td>750 25</td></tr> <tr> <th colspan="2" style="text-align: left;">Nuevo Laredo</th> </tr> <tr><td>XEBK</td><td>1080 100</td></tr> <tr><td>XEDF</td><td>810 100</td></tr> <tr><td>XEFE</td><td>980 250</td></tr> <tr><td>REYN</td><td>910 150000</td></tr> <tr> <th colspan="2" style="text-align: left;">Reynosa</th> </tr> <tr><td>XEAW</td><td>960 100000</td></tr> <tr> <th colspan="2" style="text-align: left;">Tampico</th> </tr> <tr><td>XEFW</td><td>1310 300</td></tr> <tr><td>XES</td><td>990 250</td></tr> </tbody> </table> | SINALOA | | Mazatlan | | XEBL | 1220 50 | SONORA | | Cananea | | XEFQ | 1010 50 | Hermosillo | | XEBH | 930 500 | Nogales | | XEAF | 990 750 | Obregon | | XEAP | 1340 50 | TAMAULIPAS | | Matamoros | | XEAM | 750 25 | Nuevo Laredo | | XEBK | 1080 100 | XEDF | 810 100 | XEFE | 980 250 | REYN | 910 150000 | Reynosa | | XEAW | 960 100000 | Tampico | | XEFW | 1310 300 | XES | 990 250 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">VERACRUZ</th> </tr> </thead> <tbody> <tr> <th colspan="2" style="text-align: left;">Cordoba</th> </tr> <tr><td>XEAG</td><td>1310 10</td></tr> <tr> <th colspan="2" style="text-align: left;">Jalapa</th> </tr> <tr><td>XEXB</td><td>1270 250</td></tr> <tr><td>XFXD</td><td>1340 350</td></tr> <tr> <th colspan="2" style="text-align: left;">Minatitlan</th> </tr> <tr><td>XEDW</td><td>1150 20</td></tr> <tr> <th colspan="2" style="text-align: left;">Veracruz</th> </tr> <tr><td>XETF</td><td>1220 12</td></tr> <tr><td>XEU</td><td>1010 250</td></tr> <tr> <th colspan="2" style="text-align: center;">YUCATAN</th> </tr> <tr> <th colspan="2" style="text-align: left;">Merida</th> </tr> <tr><td>XEFC</td><td>550 100</td></tr> <tr><td>XEME</td><td>1240 50</td></tr> <tr><td>XEZ</td><td>630 500</td></tr> <tr> <th colspan="2" style="text-align: center;">MIQUELON</th> </tr> <tr> <th colspan="2" style="text-align: left;">St. Pierre</th> </tr> <tr><td>FQN</td><td>609 250</td></tr> <tr> <th colspan="2" style="text-align: center;">NEWFOUNDLAND</th> </tr> <tr> <th colspan="2" style="text-align: left;">St. John's</th> </tr> <tr><td>VOAC</td><td>1065 40</td></tr> <tr><td>VOAS</td><td>940 100</td></tr> <tr><td>VOGM</td><td>1006 200</td></tr> <tr><td>VOGY</td><td>840 400</td></tr> <tr><td>VONF</td><td>1195 500</td></tr> <tr><td>VOWR</td><td>681 500</td></tr> </tbody> </table> | VERACRUZ | | Cordoba | | XEAG | 1310 10 | Jalapa | | XEXB | 1270 250 | XFXD | 1340 350 | Minatitlan | | XEDW | 1150 20 | Veracruz | | XETF | 1220 12 | XEU | 1010 250 | YUCATAN | | Merida | | XEFC | 550 100 | XEME | 1240 50 | XEZ | 630 500 | MIQUELON | | St. Pierre | | FQN | 609 250 | NEWFOUNDLAND | | St. John's | | VOAC | 1065 40 | VOAS | 940 100 | VOGM | 1006 200 | VOGY | 840 400 | VONF | 1195 500 | VOWR | 681 500 |
|---|-------------|--|---------|----------|------|----------|-----|------------|------------|----------|----------|---------|------|----------|------|----------|------|---------|-----|---------|-----|----------|------|----------|------|----------|-----|----------|------|--------|-----|-----------|------|---------|------|----------|------|---------|---------|--|------|----------|------|---------|--|------|--|------|---------|------|----------|---------|--|-------------|--|-----|-----------|--------|--|------|---------|------------|--|---------|--|-----|----------|------------|--|-----------|--|------|---------|-----|----------|-----|---------|-----|----------|-----|----------|--------|--|--------|--|------|----------|-----------------|--|-----------------|--|------|----------|------|----------|---|---------|--|----------|--|------|---------|--------|--|---------|--|------|---------|------------|--|------|---------|---------|--|------|---------|---------|--|------|---------|------------|--|-----------|--|------|--------|--------------|--|------|----------|------|---------|------|---------|------|------------|---------|--|------|------------|---------|--|------|----------|-----|---------|--|----------|--|---------|--|------|---------|--------|--|------|----------|------|----------|------------|--|------|---------|----------|--|------|---------|-----|----------|---------|--|--------|--|------|---------|------|---------|-----|---------|----------|--|------------|--|-----|---------|--------------|--|------------|--|------|---------|------|---------|------|----------|------|---------|------|----------|------|---------|
| Mexico City | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAI | 1250 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAL | 660 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEB | 1030 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBS | 1340 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBZ | 810 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEDP | 1080 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEJP | 1130 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEJW | 870 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEK | 890 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEL | 1100 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XELZ | 1370 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEMX | 1280 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEN | 780 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XENC | 860 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEW | 890 50000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEXM | 610 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEXS | 1310 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEYO | 610 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durango | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFA | 1180 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEXE | 1270 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFM | 1160 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEKL | 1240 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JALISCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guadalajara | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XED | 1160 2500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guzman | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBA | 1080 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MICHIOACAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Morelia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEI | 1370 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NUEVO LEON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monterrey | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFB | 870 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEG | 1230 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEH | 720 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XET | 600 5000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEX | 1310 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PUEBLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Puebla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XETH | 1210 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAN LUIS POTOSI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| San Luis Potosi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XECZ | 1370 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEXH | 1250 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SINALOA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mazatlan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBL | 1220 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SONORA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cananea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFQ | 1010 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hermosillo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBH | 930 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nogales | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAF | 990 750 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Obregon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAP | 1340 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAMAULIPAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Matamoros | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAM | 750 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nuevo Laredo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBK | 1080 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEDF | 810 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFE | 980 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REYN | 910 150000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reynosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAW | 960 100000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tampico | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFW | 1310 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XES | 990 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VERACRUZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cordoba | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEAG | 1310 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Jalapa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEXB | 1270 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XFXD | 1340 350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minatitlan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEDW | 1150 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Veracruz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XETF | 1220 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEU | 1010 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| YUCATAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Merida | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFC | 550 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEME | 1240 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEZ | 630 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MIQUELON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Pierre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FQN | 609 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NEWFOUNDLAND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. John's | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOAC | 1065 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOAS | 940 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOGM | 1006 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOGY | 840 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VONF | 1195 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOWR | 681 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">DURANGO</th> </tr> </thead> <tbody> <tr> <th colspan="2" style="text-align: left;">Durango</th> </tr> <tr><td>XEFP</td><td>1150 250</td></tr> <tr><td>XEE</td><td>1210 50</td></tr> <tr> <th colspan="2" style="text-align: center;">GUANAJUATO</th> </tr> <tr> <th colspan="2" style="text-align: left;">Irapuato</th> </tr> <tr><td>XEBQ</td><td>1310 25</td></tr> </tbody> </table> | DURANGO | | Durango | | XEFP | 1150 250 | XEE | 1210 50 | GUANAJUATO | | Irapuato | | XEBQ | 1310 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DURANGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durango | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEFP | 1150 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEE | 1210 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GUANAJUATO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Irapuato | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| XEBQ | 1310 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|-------|-------|-----------------|--|--|-----|-----|-------|---------------|--|--|-----|------|------|-----------------|--|--|-----|-----|------|--------------|--|--|-----|------|------|------------------|--|--|------|-----|------|----------------|--|--|------|------|-----|-----------------|--|--|------|-----|-----|----------------|--|--|------|-----|-----|-----------------|--|--|------|------|-------|----------------|--|--|------|-----|-----|---------------|--|--|------|------|-----|-----------------|--|--|------|-----|------|-----------------------|--|--|------|------|-----|-----------------------|--|--|------|-----|------|-----------------|--|--|------|-----|-----|----------------|--|--|---|------|-----|-----|--------------------|--|--|------|-----|-----|--------------|--|--|------|-----|----|----------------------|--|--|------|-----|------|------------------|--|--|------|-----|-------|---------------|--|--|------|------|-----|----------------|--|--|------|-----|-----|-----------------|--|--|------|------|-----|------------------|--|--|------|------|----|-----------------------|--|--|------|------|----|--------------------|--|--|------|------|-----|---------------------|--|--|------|------|-----|----------------|--|--|------|------|-----|-------------------|--|--|------|------|-----|----------------|--|--|------|-----|------|--------------------|--|--|------|-----|------|----------------|--|--|------|-----|-----|--------------|--|--|--|------|------|-----|-----------------|--|--|------|-----|-----|-------------------|--|--|------|-----|------|--------------|--|--|------|------|------|-----------------|--|--|------|-----|------|-----------------|--|--|------|------|------|---------------|--|--|------|-----|-----|----------------|--|--|------|------|----|-----------------|--|--|------|------|----|-------------------|--|--|------|------|-----|----------------|--|--|------|------|-----|---------------------|--|--|------|------|-----|-----------------|--|--|------|------|-----|-----------------|--|--|------|-----|-----|-------------------|--|--|------|-----|-----|------------------|--|--|------|-----|-----|----------------|--|--|------|-----|------|---------------|--|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>CBF</td><td>910</td><td>50000</td></tr> <tr><td>Montreal, P. Q.</td><td></td><td></td></tr> <tr><td>CBL</td><td>840</td><td>50000</td></tr> <tr><td>Toronto, Ont.</td><td></td><td></td></tr> <tr><td>CBM</td><td>1050</td><td>5000</td></tr> <tr><td>Montreal, P. Q.</td><td></td><td></td></tr> <tr><td>CBO</td><td>880</td><td>1000</td></tr> <tr><td>Ottawa, Ont.</td><td></td><td></td></tr> <tr><td>CBR</td><td>1100</td><td>5000</td></tr> <tr><td>Vancouver, B. C.</td><td></td><td></td></tr> <tr><td>CFAC</td><td>930</td><td>1000</td></tr> <tr><td>Calgary, Alta.</td><td></td><td></td></tr> <tr><td>CFAR</td><td>1370</td><td>100</td></tr> <tr><td>Flin Flon, Man.</td><td></td><td></td></tr> <tr><td>CFCF</td><td>600</td><td>500</td></tr> <tr><td>Montreal, Que.</td><td></td><td></td></tr> <tr><td>CFCH</td><td>930</td><td>100</td></tr> <tr><td>North Bay, Ont.</td><td></td><td></td></tr> <tr><td>CFCN</td><td>1030</td><td>10000</td></tr> <tr><td>Calgary, Alta.</td><td></td><td></td></tr> <tr><td>CFCO</td><td>630</td><td>100</td></tr> <tr><td>Chatham, Ont.</td><td></td><td></td></tr> <tr><td>CFCT</td><td>1450</td><td>500</td></tr> <tr><td>Victoria, B. C.</td><td></td><td></td></tr> <tr><td>CFCY</td><td>630</td><td>1000</td></tr> <tr><td>Charlottetown, P.E.I.</td><td></td><td></td></tr> <tr><td>CFGP</td><td>1200</td><td>100</td></tr> <tr><td>Grande Prairie, Alta.</td><td></td><td></td></tr> <tr><td>CFJC</td><td>880</td><td>1000</td></tr> <tr><td>Kamloops, B. C.</td><td></td><td></td></tr> <tr><td>CFLC</td><td>930</td><td>100</td></tr> <tr><td>Prescott, Ont.</td><td></td><td></td></tr> </tbody> </table> | CBF | 910 | 50000 | Montreal, P. Q. | | | CBL | 840 | 50000 | Toronto, Ont. | | | CBM | 1050 | 5000 | Montreal, P. Q. | | | CBO | 880 | 1000 | Ottawa, Ont. | | | CBR | 1100 | 5000 | Vancouver, B. C. | | | CFAC | 930 | 1000 | Calgary, Alta. | | | CFAR | 1370 | 100 | Flin Flon, Man. | | | CFCF | 600 | 500 | Montreal, Que. | | | CFCH | 930 | 100 | North Bay, Ont. | | | CFCN | 1030 | 10000 | Calgary, Alta. | | | CFCO | 630 | 100 | Chatham, Ont. | | | CFCT | 1450 | 500 | Victoria, B. C. | | | CFCY | 630 | 1000 | Charlottetown, P.E.I. | | | CFGP | 1200 | 100 | Grande Prairie, Alta. | | | CFJC | 880 | 1000 | Kamloops, B. C. | | | CFLC | 930 | 100 | Prescott, Ont. | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>CFNB</td><td>550</td><td>500</td></tr> <tr><td>Fredericton, N. B.</td><td></td><td></td></tr> <tr><td>CFPL</td><td>730</td><td>100</td></tr> <tr><td>London, Ont.</td><td></td><td></td></tr> <tr><td>CFPR</td><td>580</td><td>50</td></tr> <tr><td>Prince Rupert, B. C.</td><td></td><td></td></tr> <tr><td>CFQC</td><td>840</td><td>1000</td></tr> <tr><td>Saskatoon, Sask.</td><td></td><td></td></tr> <tr><td>CFRB</td><td>690</td><td>10000</td></tr> <tr><td>Toronto, Ont.</td><td></td><td></td></tr> <tr><td>CFRC</td><td>1510</td><td>100</td></tr> <tr><td>Kingston, Ont.</td><td></td><td></td></tr> <tr><td>CFRN</td><td>960</td><td>100</td></tr> <tr><td>Edmonton, Alta.</td><td></td><td></td></tr> <tr><td>CHAB</td><td>1200</td><td>100</td></tr> <tr><td>Moose Jaw, Sask.</td><td></td><td></td></tr> <tr><td>CHCK</td><td>1310</td><td>50</td></tr> <tr><td>Charlottetown, P.E.I.</td><td></td><td></td></tr> <tr><td>CHGS</td><td>1450</td><td>50</td></tr> <tr><td>Summerside, P.E.I.</td><td></td><td></td></tr> <tr><td>CHLN</td><td>1420</td><td>100</td></tr> <tr><td>Three Rivers, P. Q.</td><td></td><td></td></tr> <tr><td>CHLP</td><td>1120</td><td>100</td></tr> <tr><td>Montreal, Que.</td><td></td><td></td></tr> <tr><td>CHLT</td><td>1210</td><td>100</td></tr> <tr><td>Sherbrooke, P. Q.</td><td></td><td></td></tr> <tr><td>CHML</td><td>1010</td><td>100</td></tr> <tr><td>Hamilton, Ont.</td><td></td><td></td></tr> <tr><td>CHNC</td><td>960</td><td>1000</td></tr> <tr><td>New Carlisle, Que.</td><td></td><td></td></tr> <tr><td>CHNS</td><td>930</td><td>1000</td></tr> <tr><td>Halifax, N. S.</td><td></td><td></td></tr> <tr><td>CHRC</td><td>580</td><td>100</td></tr> <tr><td>Quebec, Que.</td><td></td><td></td></tr> </tbody> </table> | CFNB | 550 | 500 | Fredericton, N. B. | | | CFPL | 730 | 100 | London, Ont. | | | CFPR | 580 | 50 | Prince Rupert, B. C. | | | CFQC | 840 | 1000 | Saskatoon, Sask. | | | CFRB | 690 | 10000 | Toronto, Ont. | | | CFRC | 1510 | 100 | Kingston, Ont. | | | CFRN | 960 | 100 | Edmonton, Alta. | | | CHAB | 1200 | 100 | Moose Jaw, Sask. | | | CHCK | 1310 | 50 | Charlottetown, P.E.I. | | | CHGS | 1450 | 50 | Summerside, P.E.I. | | | CHLN | 1420 | 100 | Three Rivers, P. Q. | | | CHLP | 1120 | 100 | Montreal, Que. | | | CHLT | 1210 | 100 | Sherbrooke, P. Q. | | | CHML | 1010 | 100 | Hamilton, Ont. | | | CHNC | 960 | 1000 | New Carlisle, Que. | | | CHNS | 930 | 1000 | Halifax, N. S. | | | CHRC | 580 | 100 | Quebec, Que. | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>CHSJ</td><td>1120</td><td>500</td></tr> <tr><td>St. John, N. B.</td><td></td><td></td></tr> <tr><td>CHWK</td><td>780</td><td>100</td></tr> <tr><td>Chilliwack, B. C.</td><td></td><td></td></tr> <tr><td>CJAT</td><td>910</td><td>1000</td></tr> <tr><td>Trail, B. C.</td><td></td><td></td></tr> <tr><td>CJBR</td><td>1030</td><td>1000</td></tr> <tr><td>Rimouski, P. Q.</td><td></td><td></td></tr> <tr><td>CJCA</td><td>730</td><td>1000</td></tr> <tr><td>Edmonton, Alta.</td><td></td><td></td></tr> <tr><td>CJCB</td><td>1240</td><td>1000</td></tr> <tr><td>Sydney, N. S.</td><td></td><td></td></tr> <tr><td>CJCY</td><td>690</td><td>100</td></tr> <tr><td>Calgary, Alta.</td><td></td><td></td></tr> <tr><td>CJCS</td><td>1210</td><td>50</td></tr> <tr><td>Stratford, Ont.</td><td></td><td></td></tr> <tr><td>CJCU</td><td>1210</td><td>50</td></tr> <tr><td>Aklavik, N. W. T.</td><td></td><td></td></tr> <tr><td>CJGX</td><td>1390</td><td>100</td></tr> <tr><td>Yorkton, Sask.</td><td></td><td></td></tr> <tr><td>CJIC</td><td>1500</td><td>100</td></tr> <tr><td>S. Ste. Marie, Ont.</td><td></td><td></td></tr> <tr><td>CJKL</td><td>1310</td><td>100</td></tr> <tr><td>North Bay, Ont.</td><td></td><td></td></tr> <tr><td>CJLS</td><td>1310</td><td>100</td></tr> <tr><td>Yarmouth, N. S.</td><td></td><td></td></tr> <tr><td>CJOC</td><td>950</td><td>100</td></tr> <tr><td>Lethbridge, Alta.</td><td></td><td></td></tr> <tr><td>CJOR</td><td>600</td><td>500</td></tr> <tr><td>Vancouver, B. C.</td><td></td><td></td></tr> <tr><td>CJRC</td><td>630</td><td>500</td></tr> <tr><td>Winnipeg, Man.</td><td></td><td></td></tr> <tr><td>CJRM</td><td>540</td><td>1000</td></tr> <tr><td>Regina, Sask.</td><td></td><td></td></tr> </tbody> </table> | CHSJ | 1120 | 500 | St. John, N. B. | | | CHWK | 780 | 100 | Chilliwack, B. C. | | | CJAT | 910 | 1000 | Trail, B. C. | | | CJBR | 1030 | 1000 | Rimouski, P. Q. | | | CJCA | 730 | 1000 | Edmonton, Alta. | | | CJCB | 1240 | 1000 | Sydney, N. S. | | | CJCY | 690 | 100 | Calgary, Alta. | | | CJCS | 1210 | 50 | Stratford, Ont. | | | CJCU | 1210 | 50 | Aklavik, N. W. T. | | | CJGX | 1390 | 100 | Yorkton, Sask. | | | CJIC | 1500 | 100 | S. Ste. Marie, Ont. | | | CJKL | 1310 | 100 | North Bay, Ont. | | | CJLS | 1310 | 100 | Yarmouth, N. S. | | | CJOC | 950 | 100 | Lethbridge, Alta. | | | CJOR | 600 | 500 | Vancouver, B. C. | | | CJRC | 630 | 500 | Winnipeg, Man. | | | CJRM | 540 | 1000 | Regina, Sask. | | |
| CBF | 910 | 50000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montreal, P. Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CBL | 840 | 50000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Toronto, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CBM | 1050 | 5000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montreal, P. Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CBO | 880 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ottawa, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CBR | 1100 | 5000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vancouver, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFAC | 930 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calgary, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFAR | 1370 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flin Flon, Man. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCF | 600 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montreal, Que. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCH | 930 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Bay, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCN | 1030 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calgary, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCO | 630 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chatham, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCT | 1450 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Victoria, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFCY | 630 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlottetown, P.E.I. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFGP | 1200 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grande Prairie, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFJC | 880 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kamloops, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFLC | 930 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prescott, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFNB | 550 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fredericton, N. B. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFPL | 730 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| London, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFPR | 580 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prince Rupert, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFQC | 840 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saskatoon, Sask. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFRB | 690 | 10000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Toronto, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFRC | 1510 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kingston, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CFRN | 960 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edmonton, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHAB | 1200 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moose Jaw, Sask. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHCK | 1310 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlottetown, P.E.I. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHGS | 1450 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerside, P.E.I. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHLN | 1420 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Three Rivers, P. Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHLP | 1120 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montreal, Que. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHLT | 1210 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sherbrooke, P. Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHML | 1010 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hamilton, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHNC | 960 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| New Carlisle, Que. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHNS | 930 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halifax, N. S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHRC | 580 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quebec, Que. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHSJ | 1120 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. John, N. B. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHWK | 780 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chilliwack, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJAT | 910 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trail, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJBR | 1030 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rimouski, P. Q. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJCA | 730 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edmonton, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJCB | 1240 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sydney, N. S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJCY | 690 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calgary, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJCS | 1210 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stratford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJCU | 1210 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aklavik, N. W. T. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJGX | 1390 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yorkton, Sask. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJIC | 1500 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S. Ste. Marie, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJKL | 1310 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| North Bay, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJLS | 1310 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yarmouth, N. S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJOC | 950 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lethbridge, Alta. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJOR | 600 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vancouver, B. C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJRC | 630 | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Winnipeg, Man. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CJRM | 540 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Regina, Sask. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | | | | |
|--|-------|---|-------|--|-------|
| CKAC 730 Montreal, Que. | 5000 | CMBY 970 Havana, Cuba | 150 | CMJF 1150 Camaguey, Cuba | 200 |
| CKBI 1210 Prince Albert, Sask. | 100 | CMCZ 1000 Havana, Cuba | 500 | CMJH 1360 Ciego de Avila, Cuba | 50 |
| CKCD 1010 Vancouver, B. C. | 100 | CMC 1260 Havana, Cuba | 150 | CMJI 1130 Ciego de Avila, Cuba | 150 |
| CKCH 1210 Hull, Que. | 100 | CMCA 1350 Havana, Cuba | 450 | CMJK 780 Camaguey, Cuba | 250 |
| CKCK 1010 Regina, Sask. | 1000 | CMCB 1230 Havana, Cuba | 150 | CMJL 1340 Camaguey, Cuba | 75 |
| CKCL 580 Toronto, Ont. | 100 | CMCD 630 Havana, Cuba | 250 | CMJO 1180 Ciego de Avila, Cuba | 50 |
| CKCO 1010 Ottawa, Ont. | 100 | CMCF 810 Havana, Cuba | 600 | CMJP 1430 Camaguey, Cuba | 75 |
| CKCR 1510 Waterloo, Ont. | 100 | CMCG 680 Havana, Cuba | 1000 | CMJX 830 Camaguey, Cuba | 500 |
| CKCV 1310 Quebec, Que. | 100 | CMCJ 1110 Havana, Cuba | 500 | CMK 720 Havana, Cuba | 3000 |
| CKCW 1370 Moncton, N. B. | 100 | CMCK 1030 Havana, Cuba | ... | CMKC 1250 Santiago, Cuba | 150 |
| CKFC 1410 Vancouver, B. C. | 50 | CMCL 730 Havana, Cuba | 10000 | CMKD 1050 Santiago, Cuba | 250 |
| CKGB 1420 North Bay, Ont. | 100 | CMCM 850 Havana, Cuba | .... | CMKF 1460 Holguin, Cuba | 250 |
| CKIC 1010 Wolfville, N. S. | 50 | CMCO 1200 Havana, Cuba | 250 | CMKG 1160 Santiago, Cuba | .... |
| CKLW 1030 Windsor, Ont. | 5000 | CMCQ 1410 Havana, Cuba | 5000 | CKMM 1120 Manzanillo, Cuba | 200 |
| CKMC 1210 Cobalt, Ont. | 50 | CMCR 1380 Havana, Cuba | .... | CKMO 1280 Holguin, Cuba | .... |
| CKMO 1410 Vancouver, B. C. | 100 | CMCU 1290 Havana, Cuba | 500 | CKMR 1400 Santiago, Cuba | 100 |
| CKNX 1200 Wingham, Ont. | 100 | CMCW 1140 Havana, Cuba | 500 | CKMS 960 Guantanamo, Cuba | .... |
| CKOC 1120 Hamilton, Ont. | 500 | CMCX 1380 Havana, Cuba | 150 | CKMW 1350 Santiago, Cuba | .... |
| CKOV 630 Kelowna, B. C. | 100 | CMCY 570 Havana, Cuba | 5000 | CKMX 1190 Santiago, Cuba | .... |
| CKPC 930 Brantford, Ont. | 100 | CMGC 1400 Matanzas, Cuba | 150 | CMOA 1440 Havana, Cuba | 150 |
| CKPR 730 Port William, Ont. | 100 | CMGE 1370 Cardenas, Cuba | 150 | CMOX 1320 Havana, Cuba | 200 |
| CKSO 780 Sudbury, Ont. | 1000 | CMGF 1120 Matanzas, Cuba | 250 | CMQ 600 Havana, Cuba | 25000 |
| CKTB 1200 St. Catharines, Ont. | 100 | CMGH 790 Matanzas, Cuba | 500 | CMW 880 Havana, Cuba | 1400 |
| CKUA 580 Edmonton, Alta. | 500 | CMHA 1070 Sagua la Grande, Cuba | 50 | CMX 920 Havana, Cuba | 1000 |
| CKWX 1010 Vancouver, B. C. | 100 | CMHB 1240 Sancti Spiritus, Cuba | 50 | CRCK 950 Quebec, Que. | 1000 |
| CKX 1120 Brandon, Man. | 1000 | CMHD 1270 Caibarien, Cuba | 250 | CRCS 1120 Chicoutimi, Que. | 100 |
| CKY 910 Winnipeg, Man. | 15000 | CMHI 1210 Santa Clara, Cuba | 150 | CRCY 960 Toronto, Ont. | 100 |
| CMAB 1340 Pinar del Rio, Cuba | 300 | CMHJ 1160 Cienfuegos, Cuba | 175 | FNQ 609 St. Pierre, Miquelon | 250 |
| CMBC 950 Havana, Cuba | 10000 | CMHK 1330 Cruces, Cuba | 250 | HIX 800 Trujillo, D. R. | 800 |
| CMBD 1260 Havana, Cuba | 500 | CMHM 1450 Cienfuegos, Cuba | 100 | KABC 1420 San Antonio, Texas | 100 |
| CMBF 770 Havana, Cuba | 10000 | CMHW 820 Santa Clara, Cuba | 100 | KABR 1420 Aberdeen, S. Dak. | 100 |
| CMBL 750 Havana, Cuba | 2500 | CMHX 760 Cienfuegos, Cuba | 200 | KADA 1200 Ada, Okla. | 100 |
| CMBQ 680 Havana, Cuba | 5000 | CMJA 1010 Camaguey, Cuba | 300 | KALB 1210 Alexandria, La. | 100 |
| CMBS 1170 Havana, Cuba | 150 | CMJC 1390 Camaguey, Cuba | 150 | KALE 1300 Portland, Ore. | 500 |
| CMBX 1070 Havana, Cuba | 500 | CMJE 1220 Camaguey, Cuba | 50 | KAND 1310 Corsicana, Texas | 100 |
| | | | | KANS 1210 Wichita, Kans | 100 |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | |
|---|---|--|
| KARK 890 500 Little Rock, Ark. | KFAM 1420 100 St. Cloud, Minn. | KFXD 1200 100 Nampa, Idaho |
| KARM 1310 100 Fresno, Calif. | KFBB 1280 1000 Great Falls, Mont. | KFXJ 1200 100 Grand Junction, Colo. |
| KASA 1210 100 Elk City, Okla. | KFBI 1050 5000 Abilene, Kans. | KFXM 1210 100 San Bernardino, Calif. |
| KAST 1370 100 Astoria, Ore. | KFBK 1490 5000 Sacramento, Calif. | KFXR 1310 100 Oklahoma City, Okla. |
| KATE 1420 250 Albert Lea, Minn. | KFDM 560 500 Beaumont, Texas | KFYO 1310 100 Lubbock, Texas |
| KAWM 1500 100 Gallup, N. Mex. | KFDY 780 1000 Brookings, S. D. | KFYR 550 1000 Bismarck, N. D. |
| KBIX 1500 100 Muskogee, Okla. | KFEL 920 500 Denver, Colo. | KGA 1470 5000 Spokane, Wash. |
| KBPS 1420 100 Portland, Ore. | KFEQ 680 2500 St. Joseph, Mo. | KGAR 1370 100 Tucson, Ariz. |
| KBST 1500 100 Big Spring, Texas | KFGQ 1370 100 Boone, Iowa | KGB 1330 1000 San Diego, Calif. |
| KBTM 1200 100 Jonesboro, Ark. | KFH 1300 1000 Wichita, Kans. | KGBU 900 500 Ketchikan, Alaska |
| KCKN 1310 100 Kansas City, Kans. | KFI 640 50000 Los Angeles, Calif. | KGBX 1230 500 Springfield, Mo. |
| KCMC 1420 100 Texarkana, Texas | KFIO 1120 100 Spokane, Wash. | KGCA 1270 100 Decorah, Iowa |
| KCMO 1370 100 Kansas City, Mo. | KFIZ 1420 100 Fond du Lac, Wls. | KGCI 1200 100 Coeur d'Alene, Idaho |
| KCRC 1360 250 Enid, Okla. | KFJB 1200 100 Marshalltown, Iowa | KGCU 1240 250 Mandan, N. D. |
| KCRJ 1310 100 Jerome, Ariz. | KFJI 1210 100 Klamath Falls, Ore. | KGCX 1450 1000 Wolf Point, Mont. |
| KDAL 1500 100 Duluth, Minn. | KFJM 1410 500 Grand Forks, N. D. | KGDE 1200 100 Fergus Falls, Minn. |
| KDB 1500 100 Santa Barbara, Calif. | KFJZ 1370 100 Fort Worth, Texas | KGDM 1100 1000 Stockton, Calif. |
| KDFN 1440 500 Casper, Wyo. | KFKA 880 500 Greeley, Colo. | KGDY 1340 250 Huron, S. D. |
| KDKA 980 50000 Pittsburgh, Pa. | KFKU 1220 1000 Lawrence, Kans. | KGEK 1200 100 Sterling, Colo. |
| KDLR 1210 100 Devils Lake, N. D. | KFNF 890 500 Shenandoah, Iowa | KGER 1360 1000 Long Beach, Calif. |
| KDNC 1200 100 Lewistown, Mont. | KFOR 1210 100 Lincoln, Neb. | KGEZ 1310 100 Kalspell, Mont. |
| KDON 1210 100 Monterey, Calif. | KFOX 1250 1000 Long Beach, Calif. | KGFF 1420 100 Shawnee, Okla. |
| KDTH 1340 500 Dubuque, Iowa | KFPL 1310 100 Dublin, Texas | KGFI 1500 100 Brownsville, Tex. |
| KDYL 1290 1000 Salt Lake City, Utah | KFPW 1210 100 Fort Smith, Ark. | KGFJ 1200 100 Los Angeles, Calif. |
| KECA 1430 1000 Los Angeles, Calif. | KFPY 890 1000 Spokane, Wash. | KGFL 1370 100 Roswell, N. M. |
| KEEN 1370 100 Seattle, Wash. | KFQD 780 250 Anchorage, Alaska | KGFW 1310 100 Kearney, Neb. |
| KEHE 780 1000 Los Angeles, Calif. | KFRC 610 1000 San Francisco, Calif. | KGFX 630 200 Pierre, S. D. |
| KELA 1440 500 Centralia, Wash. | KFRQ 1370 250 Longview, Texas | KGGC 1420 100 San Francisco, Calif. |
| KELD 1370 100 El Dorado, Ark. | KFRU 630 500 Columbia, Mo. | KGGF 1010 1000 Coffeyville, Kans. |
| KELO 1200 100 Sioux Falls, S. Dak. | KFSD 600 1000 San Diego, Calif. | KGGM 1230 1000 Albuquerque, N. M. |
| KERN 1370 100 Bakersfield, Calif. | KFSG 1120 500 Los Angeles, Calif. | KGHF 1320 500 Pueblo, Colo. |
| KEUB 1420 100 Price, Utah | KFUO 550 500 St. Louis, Mo. | KGHI 1200 100 Little Rock, Ark. |
| KEX 1180 5000 Portland, Ore. | KFVD 1000 1000 Los Angeles, Calif. | KGHL 780 1000 Billings, Mont. |
| KFAB 770 10000 Lincoln, Neb. | KFVS 1210 100 Cape Girardeau, Mo. | KGIR 1340 1000 Butte, Mont. |
| KFAC 1300 1000 Los Angeles, Calif. | KFWB 950 1000 Hollywood, Calif. | KGIW 1420 100 Alamosa, Colo. |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | |
|---|--|---|
| KRLH 1420 100 Midland, Texas | KTMS 1220 500 Santa Barbara, Calif. | KWLC 1270 100 Decorah, Iowa |
| KRMC 1370 100 Jamestown, N. Dak. | KTOK 1370 100 Oklahoma City, Okla. | KWLK 780 250 Longview, Wash. |
| KRMD 1310 100 Shreveport, La. | KTRB 740 250 Modesto, Calif. | KWNO 1200 250 Winona, Minn. |
| KRRR 1500 100 Roseburg, Ore. | KTRH 1290 1000 Houston, Texas | KWOC 1310 100 Poplar Bluff, Mo. |
| KRNT 1320 1000 Des Moines, Iowa | KTRI 1420 100 Sioux City, Iowa | KWOS 1310 100 Jefferson City, Mo. |
| KROC 1310 100 Rochester, Minn. | KTSA 550 1000 San Antonio, Texas | KWSC 1220 1000 Pullman, Wash. |
| KROD 1500 100 El Paso, Texas | KTSM 1310 100 El Paso, Texas | KWTN 1210 100 Watertown, S. Dak. |
| KROW 930 1000 Oakland, Calif. | KTUL 1400 500 Tulsa, Okla. | KWTO 560 5000 Springfield, Mo. |
| KROY 1210 100 Sacramento, Calif. | KTW 1220 1000 Seattle, Wash. | KWYO 1370 100 Sheridan, Wyo. |
| KRQA 1310 100 Santa Fe, N. Mex. | KUJ 1370 100 Walla Walla, Wash. | KXA 760 250 Seattle, Wash. |
| KRRV 1310 250 Sherman, Texas | KUMA 1420 100 Yuma, Ariz. | KXBY 1530 1000 Kansas City, Mo. |
| KRSC 1120 250 Seattle, Wash. | KUOA 1260 5000 Siloam Springs, Ark. | KXL 1420 100 Portland, Ore. |
| KSAC 580 500 Manhattan, Kans. | KUSD 890 500 Vermillion, S. Dak. | KXO 1500 100 El Centro, Calif. |
| KSAL 1500 100 Salina, Kans. | KUTA 1500 100 Salt Lake City, Utah | KXOK 1250 1000 St. Louis, Mo. |
| KSCJ 1330 1000 Sioux City, Iowa | KVCV 1200 100 Redding, Calif. | KXRO 1310 100 Aberdeen, Wash. |
| KSD 550 1000 St. Louis, Mo. | KVEC 1200 250 San Luis Obispo, Cal. | KXYZ 1440 1000 Houston, Texas |
| KSEI 900 250 Pocatello, Idaho | KVGB 1370 100 Great Bend, Kans. | KYA 1230 1000 San Francisco, Calif. |
| KSFO 560 1000 San Francisco, Calif. | KVI 570 1000 Tacoma, Wash. | KYOS 1040 250 Merced, Calif. |
| KSL 1130 50000 Salt Lake City, Utah | KVOA 1260 1000 Tucson, Ariz. | KYSM 1500 100 Mankato, Minn. |
| KSLM 1370 100 Salem, Ore. | KVOD 920 500 Denver, Colo. | KYW 1020 10000 Philadelphia, Pa. |
| KSO 1430 500 Des Moines, Iowa | KVOE 1500 100 Santa Ana, Calif. | TGW 1520 1000 Guatemala City, Guatemala |
| KSOO 1110 2500 Sioux Falls, S. Dak. | KVOL 1310 100 Lafayette, La. | TGI 1510 Guatemala City, Guatemala |
| KSRO 1310 250 Santa Rosa, Calif. | KVOO 1140 25000 Tulsa, Okla. | TIEP 880 1000 San Jose, Costa Rica |
| KSTP 1460 10000 St. Paul, Minn. | KVOR 1270 1000 Colorado Springs, Colo. | TIPG 625 2000 San Jose, Costa Rica |
| KSUB 1310 100 Cedar City, Utah | KVOS 1200 100 Bellingham, Wash. | TIX 650 San Jose, Costa Rica |
| KSUN 1200 100 Lowell, Ariz. | KVOX 1310 100 Moorhead, Minn. | VAS 685 2000 Glace Bay, N. S. |
| KTAR 620 1000 Phoenix, Ariz. | KVRS 1370 100 Rock Springs, Wyo. | VOAC 1065 40 St. John's, Nfld. |
| KTAT 1240 1000 Fort Worth, Texas | KVSO 1210 100 Ardmore, Okla. | VOAS 940 100 St. John's, Nfld. |
| KTBC 1120 1000 Austin, Texas | KWBG 1420 100 Hutchinson, Kans. | VOCM 1006 200 St. John's, Nfld. |
| KTBS 1450 1000 Shreveport, La. | KWEW 1500 100 Hobbs, N. Mex. | VOGY 840 400 St. John's, Nfld. |
| KTEM 1370 250 Temple, Texas | KWG 1200 100 Stockton, Calif. | VONF 1195 500 St. John's, Nfld. |
| KTFI 1240 1000 Twin Falls, Idaho | KWJJ 1040 500 Portland, Ore. | VOWR 681 500 St. John's, Nfld. |
| KTHS 1060 10000 Hot Springs, Ark. | KWK 1350 1000 St. Louis, Mo. | WAAB 1410 500 Boston, Mass. |
| KTKC 1190 250 Visalia, Calif. | KWKH 1100 10000 Shreveport, La. | WAAF 920 1000 Chicago, Ill. |
| | | WAAT 940 500 Jersey City, N. J. |
| | | WAAW 660 500 Omaha, Neb. |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | | | | |
|--|-------|---|-------|--|-------|
| WABC 860 New York, N. Y. | 50000 | WBEN 900 Buffalo, N. Y. | 1000 | WCBM 1370 Baltimore, Md. | 100 |
| WABI 1200 Bangor, Maine | 100 | WBEO 1310 Marquette, Mich. | 100 | WCBS 1420 Springfield, Ill. | 100 |
| WABY 1370 Albany, N. Y. | 100 | WBHP 1200 Huntsville, Ala. | 100 | WCCO 810 Minneapolis, Minn. | 50000 |
| WACO 1420 Waco, Texas | 100 | WBIG 1440 Greensboro, N. C. | 1000 | WCFL 970 Chicago, Ill. | 5000 |
| WADC 1320 Akron, Ohio | 1000 | WBIL 1100 New York, N. Y. | 5000 | WCBS 580 Charleston, W. Va. | 500 |
| WAGA 1450 Atlanta, Ga. | 500 | WBLK 1370 Clarksburg, W. Va. | 100 | WCHV 1420 Charlottesville, Va. | 100 |
| WAGF 1370 Dothan, Ala. | 250 | WBLY 1210 Lima, Ohio | 100 | WCKY 1490 Covington, Ky. | 10000 |
| WAGM 1420 Presque Isle, Me. | 100 | WBNO 1200 New Orleans, La. | 100 | WCLE 610 Cleveland, Ohio | 500 |
| WAIM 1200 Anderson, S. C. | 100 | WBNS 1430 Columbus, Ohio | 500 | WCLO 1200 Janesville, Wis. | 100 |
| WAIR 1250 Winston-Salem, N. C. | 250 | WBNX 1350 New York, N. Y. | 1000 | WCLS 1310 Joliet, Ill. | 100 |
| WALA 1380 Mobile, Ala. | 500 | WBNY 1370 Buffalo, N. Y. | 100 | WCMI 1310 Ashland, Ky. | 100 |
| WALR 1210 Zanesville, Ohio | 100 | WBOQ 860 New York, N. Y. | 50000 | WCNW 1500 Brooklyn, N. Y. | 100 |
| WAML 1310 Laurel, Miss. | 100 | WBOW 1310 Terre Haute, Ind. | 100 | WCOA 1340 Pensacola, Fla. | 500 |
| WAPI 1140 Birmingham, Ala. | 5000 | WBRB 1210 Red Bank, N. J. | 100 | WCOC 880 Meridian, Miss. | 500 |
| WAPO 1420 Chattanooga, Tenn. | 100 | WBRC 930 Birmingham, Ala. | 1000 | WCOL 1210 Columbus, Ohio | 100 |
| WARD 1400 Brooklyn, N. Y. | 500 | WBRE 1310 Wilkes-Barre, Pa. | 100 | WCOP 1120 Boston, Mass. | 500 |
| WASH 1270 Grand Rapids, Mich. | 500 | WBWK 1310 Pittsfield, Mass. | 100 | WCPO 1200 Cincinnati, Ohio | 100 |
| WATL 1370 Atlanta, Ga. | 100 | WBRY 1530 Waterbury, Conn. | 1000 | WCRW 1210 Chicago, Ill. | 100 |
| WATR 1190 Waterbury, Conn. | 100 | WBT 1080 Charlotte, N. C. | 50000 | WCSC 1360 Charleston, S. C. | 500 |
| WAVE 940 Louisville, Ky. | 1000 | WBTM 1370 Danville, Va. | 100 | WCSH 940 Portland, Me. | 1000 |
| WAWZ 1350 Zarephath, N. J. | 500 | WBZ 990 Boston, Mass. | 50000 | WDAE 1220 Tampa, Fla. | 1000 |
| WAYX 1200 Waycross, Ga. | 100 | WBZA 990 Springfield, Mass. | 1000 | WDAF 610 Kansas City, Mo. | 1000 |
| WAZL 1420 Hazleton, Pa. | 100 | WCAD 1220 Canton, N. Y. | 500 | WDAH 1310 El Paso, Texas | 100 |
| WBAA 890 West Lafayette, Ind. | 500 | WCAE 1220 Pittsburgh, Pa. | 1000 | WDAS 1370 Philadelphia, Pa. | 100 |
| WBAL 760 Baltimore, Md. | 2500 | WCAL 1250 Northfield, Minn. | 1000 | WDAY 940 Fargo, N. Dak. | 1000 |
| WBAL 1060 Baltimore, Md. | 10000 | WCAM 1280 Camden, N. J. | 500 | WDBJ 930 Roanoke, Va. | 1000 |
| WBAP 800 Fort Worth, Texas | 50000 | WCAO 600 Baltimore, Md. | 500 | WDBO 580 Orlando, Fla. | 1000 |
| WBAX 1210 Wilkes-Barre, Pa. | 100 | WCAP 1280 Asbury Park, N. J. | 500 | WDEL 1120 Wilmington, Del. | 250 |
| WBBC 1400 Brooklyn, N. Y. | 500 | WCAT 1200 Rapid City, S. Dak. | 100 | WDEV 550 Waterbury, Vt. | 500 |
| WBBL 1210 Richmond, Va. | 100 | WCAU 1170 Philadelphia, Pa. | 50000 | WDGY 1180 Minneapolis, Minn. | 1000 |
| WBBM 770 Chicago, Ill. | 50000 | WCAX 1200 Burlington, Vt. | 100 | WDNC 1500 Durham, N. C. | 100 |
| WBBR 1300 Brooklyn, N. Y. | 1000 | WCAZ 1070 Carthage, Ill. | 100 | WDDO 1280 Chattanooga, Tenn. | 1000 |
| WBBZ 1200 Ponca City, Okla. | 100 | WCBA 1440 Allentown, Pa. | 500 | WDRS 1330 Hartford, Conn. | 1000 |
| WBCM 1410 Bay City, Mich. | 500 | WCBD 1080 Chicago, Ill. | 5000 | WDSM 1200 Superior, Wis. | 100 |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | |
|---|---|--|
| WDSU 1250 1000 New Orleans, La. | WFIL 560 1000 Philadelphia, Pa. | WHB 860 1000 Kansas City, Mo. |
| WDWS 1370 100 Champaign, Ill. | WFLA 620 1000 Clearwater, Fla. | WHBB 1500 100 Selma, Ala. |
| WDZ 1020 250 Tuscola, Ill. | WFMD 900 500 Frederick, Md. | WHBC 1200 100 Canton, Ohio |
| WEAF 660 50000 New York, N. Y. | WFOR 1370 100 Hattiesburg, Miss. | WHBF 1210 100 Rock Island, Ill. |
| WEAN 780 1000 Providence, R. I. | WFOY 1210 100 St. Augustine, Fla. | WHBI 1250 1000 Newark, N. J. |
| WEAU 1050 1000 Eau Claire, Wis. | WFTC 1200 100 Kinston, N. C. | WHBL 1300 250 Sheboygan, Wis. |
| WEBC 1290 1000 Duluth, Minn. | WGAL 1500 100 Lancaster, Pa. | WHBO 1370 100 Memphis, Tenn. |
| WEBO 1210 100 Harrisburg, Ill. | WGAN 640 500 Portland, Me. | WHBU 1210 100 Anderson, Ind. |
| WEBR 1310 100 Buffalo, N. Y. | WGAR 1450 500 Cleveland, Ohio | WHBY 1200 100 Green Bay, Wis. |
| WEDC 1210 100 Chicago, Ill. | WGAU 1310 100 Athens, Ga. | WHDF 1370 100 Calumet, Mich. |
| WEED 1420 100 Rocky Mount, N. C. | WGBB 1210 100 Freeport, N. Y. | WHDH 830 1000 Boston, Mass. |
| WEEI 590 1000 Boston, Mass. | WGBF 630 500 Evansville, Ind. | WHDL 1400 250 Olean, N. Y. |
| WEUU 830 1000 Reading, Pa. | WGBI 880 500 Scranton, Pa. | WHEB 740 250 Portsmouth, N. H. |
| WELI 900 500 New Haven, Conn. | WGCM 1210 100 Gulfport, Miss. | WHEC 1430 500 Rochester, N. Y. |
| WELL 1420 100 Battle Creek, Mich. | WGES 1360 500 Chicago, Ill. | WHEF 1500 100 Kosciusko, Missa. |
| WEMP 1310 100 Milwaukee, Wis. | WGH 1310 100 Newport News, Va. | WHFC 1420 100 Cleoer, Ill. |
| WENR 870 50000 Chicago, Ill. | WGIL 1500 250 Galesburg, Ill. | WHIO 1260 1000 Dayton, Ohio |
| WEOA 1370 100 Evansville, Ind. | WGL 1370 100 Fort Wayne, Ind. | WHIP 1480 5000 Hammond, Ind. |
| WESG 850 1000 Elmira, N. Y. | WGN 720 50000 Chicago, Ill. | WHIS 1410 500 Bluefield, W. Va. |
| WEST 1200 100 Easton, Pa. | WGNV 1210 100 Newburgh, N. Y. | WHJB 620 250 Greensburg, Pa. |
| WEVD 1300 1000 New York, N. Y. | WGPC 1420 100 Albany, Ga. | WHK 1390 1000 Cleveland, Ohio |
| WEW 760 1000 St. Louis, Mo. | WGR 550 1000 Buffalo, N. Y. | WHKC 640 500 Columbus, Ohio |
| WEXL 1310 50 Royal Oak, Mich. | WGRC 1370 250 New Albany, Ind. | WHLB 1370 100 Virginia, Minn. |
| WFAA 800 50000 Dallas, Texas | WGRM 1210 100 Grenada, Miss. | WHN 1010 1000 New York, N. Y. |
| WFAB 1300 1000 New York, N. Y. | WGST 890 1000 Atlanta, Ga. | WHO 1000 50000 Des Moines, Iowa |
| WFAM 1200 100 South Bend, Ind. | WGTM 1310 100 Wilson, N. C. | WHOM 1450 250 Jersey City, N. J. |
| WFAS 1210 100 White Plains, N. Y. | WGVA 1050 1000 Indianapolis, Ind. | WHP 1430 500 Harrisburg, Pa. |
| WFBC 1300 1000 Greenville, S. C. | WGY 790 50000 Schenectady, N. Y. | WIBA 1280 1000 Madison, Wis. |
| WFBG 1310 100 Altoona, Pa. | WHA 940 5000 Madison, Wis. | WIBG 970 100 Glenside, Pa. |
| WFBL 1360 1000 Syracuse, N. Y. | WHAI 1210 250 Greenfield, Mass. | WIBM 1370 100 Jackson, Mich. |
| WFBM 1230 1000 Indianapolis, Ind. | WHAL 950 500 Saginaw, Mich. | WIBU 1210 100 Poynette, Wis. |
| WFBR 1270 500 Baltimore, Md. | WHAM 1150 50000 Rochester, N. Y. | WIBW 580 1000 Topeka, Kans. |
| WDFD 1310 100 Flint, Mich. | WHAS 820 50000 Louisville, Ky. | WIBX 1200 100 Utica, N. Y. |
| WFEA 1340 500 Manchester, N. H. | WHAT 1310 100 Philadelphia, Pa. | WICA 940 250 Ashtabula, Ohio |
| | WHAZ 1300 1000 Troy, N. Y. | |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | | | | |
|---------------------|-------|----------------------|--------|---------------------|------|
| WICC 600 | 500 | WKAQ 1240 | 1000 | WMAS 1420 | 100 |
| Bridgeport, Conn. | | San Juan, P. R. | | Springfield, Mass. | |
| WIL 1200 | 100 | WKAR 850 | 1000 | WMAZ 1180 | 1000 |
| St. Louis, Mo. | | East Lansing, Mich. | | Macon, Ga. | |
| WILL 580 | 1000 | WKAT 1500 | 100 | WMBC 1420 | 100 |
| Urbana, Ill. | | Miami Beach, Fla. | | WMBD 1440 | 1000 |
| WILM 1420 | 100 | WKBB 1500 | 100 | Peoria, Ill. | |
| Wilmington, Del. | | East Dubuque, Ill. | | WMBF 610 | 1000 |
| WIND 560 | 1000 | WKBH 1380 | 1000 | Miami, Fla. | |
| Gary, Ind. | | LaCrosse, Wis. | | WMBG 1350 | 500 |
| WINS 1180 | 1000 | WKBN 570 | 500 | Richmond, Va. | |
| New York, N. Y. | | Youngstown, Ohio | | WMBH 1420 | 100 |
| WIOD 610 | 1000 | WKBO 1200 | 100 | Joplin, Mo. | |
| Miami, Fla. | | Harrisburg, Pa. | | WMBI 1080 | 5000 |
| WIP 610 | 1000 | WKBV 1500 | 100 | Chicago, Ill. | |
| Philadelphia, Pa. | | Richmond, Ind. | | WMOB 1310 | 100 |
| WIRE 1400 | 1000 | WKBW 1480 | 5000 | Auburn, N. Y. | |
| Indianapolis, Ind. | | Buffalo, N. Y. | | WMBQ 1500 | 100 |
| WIS 560 | 1000 | WKBZ 1500 | 100 | Brooklyn, N. Y. | |
| Columbia, S. C. | | Muskegon, Mich. | | WMBR 1370 | 100 |
| WISN 1120 | 250 | WKEU 1500 | 100 | Jacksonville, Fla. | |
| Milwaukee, Wis. | | Griffin, Ga. | | WMB5 1420 | 250 |
| WJAC 1310 | 100 | WKOK 1210 | 100 | Uniontown, Pa. | |
| Johnstown, Pa. | | Sunbury, Pa. | | WMC 780 | 1000 |
| WJAG 1060 | 1000 | WKRC 550 | 1000 | Memphis, Tenn. | |
| Norfolk, Neb. | | Cincinnati, Ohio | | WMCA 570 | 1000 |
| WJAR 890 | 1000 | WKY 900 | 1000 | New York, N. Y. | |
| Providence, R. I. | | Oklahoma City, Okla. | | WMEX 1500 | 100 |
| WJAS 1290 | 1000 | WKZO 590 | 1000 | Boston, Mass. | |
| Pittsburgh, Pa. | | Kalamazoo, Mich. | | WMFD 1370 | 100 |
| WJAX 900 | 1000 | WLAC 1470 | 5000 | Wilmington, N. C. | |
| Jacksonville, Fla. | | Nashville, Tenn. | | WMFF 1310 | 100 |
| WJBC 1200 | 100 | WLAK 1310 | 100 | Plattsburg, N. Y. | |
| Bloomington, Ill. | | Lakeland, Fla. | | WMFG 1210 | 100 |
| WJBK 1500 | 100 | WLAP 1420 | 100 | Hibbing, Minn. | |
| Detroit, Mich. | | Lexington, Ky. | | WMFJ 1420 | 100 |
| WJBL 1200 | 100 | WLAW 680 | 1000 | Daytona Beach, Fla. | |
| Decatur, Ill. | | Lawrence, Mass. | | WMFO 1370 | 100 |
| WJBO 1120 | 500 | WLB 1250 | 1000 | Decatur, Ala. | |
| Baton Rouge, La. | | Minneapolis, Minn. | | WMFR 1200 | 100 |
| WJBW 1200 | 100 | WLBC 1310 | 100 | High Point, N. C. | |
| New Orleans, La. | | Muncie, Ind. | | WMIN 1370 | 100 |
| WJBY 1210 | 100 | WLBL 900 | 5000 | St. Paul, Minn. | |
| Gadsden, Ala. | | Stevens Point, Wis. | | WMMN 890 | 500 |
| WJDX 1270 | 1000 | WLBZ 620 | 500 | Fairmont, W. Va. | |
| Jackson, Miss. | | Bangor, Me. | | WMPC 1200 | 100 |
| WJEJ 1210 | 50 | WLEU 1420 | 100 | Lapeer, Mich. | |
| Hagerstown, Md. | | Erie, Pa. | | WMPS 1430 | 500 |
| WJIM 1210 | 100 | WLLH 1370 | 100 | Memphis, Tenn. | |
| Lansing, Mich. | | Lawrence, Mass. | | WMSD 1420 | 100 |
| WJJD 1130 | 20000 | WLLH 1370 | 100 | Sheffield, Ala. | |
| Chicago, Ill. | | Lowell, Mass. | | WMT 600 | 1000 |
| WJMS 1420 | 100 | WLMU 1210 | 100 | Cedar Rapids, Iowa | |
| Ironwood, Mich. | | Middlesboro, Ky. | | WNAC 1230 | 1000 |
| WJNO 1200 | 100 | WLNH 1310 | 100 | Boston, Mass. | |
| W. Palm Beach, Fla. | | Laconia, N. H. | | WNAD 1010 | 1000 |
| WJR 750 | 50000 | WLS 870 | 50000 | Norman, Okla. | |
| Detroit, Mich. | | Chicago, Ill. | | WNAX 570 | 1000 |
| WJRD 1200 | 250 | WLTH 1400 | 500 | Yankton, S. D. | |
| Tuscaloosa, Ala. | | Brooklyn, N. Y. | | WNBC 1380 | 250 |
| WJSV 1460 | 10000 | WLVA 1200 | 100 | New Britain, Conn. | |
| Washington, D. C. | | Lynchburg, Va. | | WNBF 1500 | 100 |
| WJTN 1210 | 100 | WLW 700 | 500000 | Binghamton, N. Y. | |
| Jamestown, N. Y. | | Cincinnati, Ohio | | WNBH 1310 | 100 |
| WJW 1210 | 100 | WMAL 630 | 250 | New Bedford, Mass. | |
| Akron, Ohio | | Washington, D. C. | | WNBX 1260 | 500 |
| WJZ 760 | 50000 | WMAQ 670 | 50000 | Springfield, Vt. | |
| New York, N. Y. | | Chicago, Ill. | | | |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | |
|------------------------|-----------------------|------------------------|
| WNBZ 1290 100 | WPTF 680 1000 | WSFA 1410 500 |
| Sarasota Lake, N. Y. | Raleigh, N. C. | Montgomery, Ala. |
| WNEL 1290 1000 | WQAM 560 1000 | WSGN 1310 100 |
| San Juan, P. R. | Miami, Fla. | Birmingham, Ala. |
| WNEW 1250 1000 | WQAN 880 500 | WSIX 1210 100 |
| New York, N. Y. | Seranton, Pa. | Nashville, Tenn. |
| WNLC 1500 100 | WQBC 1360 1000 | WSJS 1310 100 |
| New London, Conn. | Vicksburg, Miss. | Winston-Salem, N. C. |
| WNNY 1420 100 | WQDM 1390 1000 | WSM 650 50000 |
| Watertown, N. Y. | St. Albans, Vt. | Nashville, Tenn. |
| WNOX 1010 1000 | WQXR 1550 1000 | WSMB 1320 1000 |
| Knoxville, Tenn. | New York, N. Y. | New Orleans, La. |
| WNYC 810 1000 | WRAK 1370 100 | WSMK 1380 200 |
| New York, N. Y. | Williamsport, Pa. | Dayton, Ohio |
| WOAI 1190 50000 | WRAW 1310 100 | WSNJ 1210 100 |
| San Antonio, Texas | Reading, Pa. | Bridgeton, N. J. |
| WOC 1370 100 | WRAX 920 1000 | WSOC 1210 100 |
| Davenport, Iowa | Philadelphia, Pa. | Charlotte, N. C. |
| WOI 640 5000 | WRBL 1200 100 | WSPA 920 1000 |
| Ames, Iowa | Columbus, Ga. | Spartanburg, S. C. |
| WOKO 1430 500 | WRC 950 500 | WSPD 1340 1000 |
| Albany, N. Y. | Washington, D. C. | Toledo, Ohio |
| WOL 1310 100 | WRDO 1370 100 | WSPR 1140 500 |
| Washington, D. C. | Augusta, Me. | Springfield, Mass. |
| WOLS 1200 100 | WRDW 1500 100 | WSUI 880 500 |
| Florence, S. C. | Augusta, Ga. | Iowa City, Iowa |
| WOMI 1500 100 | WREC 600 1000 | WSUN 620 1000 |
| Owensboro, Ky. | Memphis, Tenn. | St. Petersburg, Fla. |
| WOMT 1210 100 | WREN 1220 1000 | WSVA 550 500 |
| Manitowoc, Wis. | Lawrence, Kans. | Harrisonburg, Va. |
| WOOD 1270 500 | WRGA 1500 100 | WSVS 1370 50 |
| Grand Rapids, Mich. | Rome, Ga. | Buffalo, N. Y. |
| WOPI 1500 100 | WRIN 1370 100 | WSYB 1500 100 |
| Bristol, Tenn. | Racine, Wis. | Rutland, Vt. |
| WOR 710 50000 | WRNL 880 500 | WSYR 570 1000 |
| Newark, N. J. | Richmond, Va. | Syracuse, N. Y. |
| WORC 1280 500 | WROK 1410 500 | WTAD 900 1000 |
| Worcester, Mass. | Rockford, Ill. | Quincy, Ill. |
| WORK 1320 1000 | WROL 1310 100 | WTAG 580 1000 |
| York, Pa. | Knoxville, Tenn. | Worcester, Mass. |
| WORL 920 500 | WRR 1280 500 | WTAL 1310 100 |
| Boston, Mass. | Dallas, Texas | Tallahassee, Fla. |
| WOSU 570 750 | WRTD 1500 100 | WTAM 1070 50000 |
| Columbus, Ohio | Richmond, Va. | Cleveland, Ohio |
| WOV 1130 1000 | WRUF 830 5000 | WTAQ 1330 1000 |
| New York, N. Y. | Gainesville, Fla. | Green Bay, Wis. |
| WOW 590 1000 | WRVA 1110 5000 | WTAR 780 1000 |
| Omaha, Neb. | Richmond, Va. | Norfolk, Va. |
| WOWO 1160 10000 | WSAI 1330 1000 | WTAW 1120 500 |
| Fort Wayne, Ind. | Cincinnati, Ohio | College Station, Tex. |
| WPAD 1420 100 | WSAJ 1310 100 | WTAX 1210 100 |
| Paducah, Ky. | Grove City, Pa. | Springfield, Ill. |
| WPAR 1420 100 | WSAL 1200 250 | WTBO 800 250 |
| Parkersburg, W. Va. | Salisbury, Md. | Cumberland, Md. |
| WPAX 1210 100 | WSAN 1440 500 | WTGN 1250 1000 |
| Thomasville, Ga. | Allentown, Pa. | Minneapolis, Minn. |
| WPAY 1370 100 | WSAR 1450 1000 | WTEL 1310 100 |
| Portsmouth, Ohio | Fall River, Mass. | Philadelphia, Pa. |
| WPEN 920 1000 | WSAU 1370 100 | WTHI 1200 100 |
| Philadelphia, Pa. | Wausau, Wis. | Hartford, Conn. |
| WPG 1100 5000 | WSAY 1210 100 | WTIC 1040 50000 |
| Atlantic City, N. J. | Rochester, N. Y. | Hartford, Conn. |
| WPRA 1370 100 | WSAZ 1190 1000 | WTJS 1310 100 |
| Mayaguez, P. R. | Huntington, W. Va. | Jackson, Tenn. |
| WPRO 630 500 | WSB 740 50000 | WTMJ 620 1000 |
| Providence, R. I. | Atlanta, Ga. | Milwaukee, Wis. |
| WPRP 1420 100 | WSBC 1210 100 | WTMV 1500 100 |
| Ponce, P. R. | Chicago, Ill. | East St. Louis, Ill. |
| | WSBT 1360 500 | |
| | South Bend, Ind. | |

NORTH AMERICAN B. C. STATIONS BY CALLS

| | | | | | |
|---|--------|---|------|---|--------|
| WTNJ 1280 Trenton, N. J. | 500 | XEBL 1220 Mazatlan, Sin. | 50 | XEL 1100 Mexico City, D. F. | 250 |
| WTOC 1260 Savannah, Ga. | 1000 | XEBO 1310 Irapuato, Guan. | 25 | XELA 1240 Saltillo, Coah. | 50 |
| WTOE 1200 Toledo, Ohio | 100 | XEBP 1150 Durango, Dgo. | 250 | XELO 580 Tijuana, B. Cfa. | 10000 |
| WTRC 1310 Elkhart, Ind. | 100 | XEBS 1340 Mexico City, D. F. | 200 | XELZ 1370 Mexico City, D. F. | 100 |
| WVFW 1400 Brooklyn, N. Y. | 500 | XEBU 1200 Chihuahua, Chih. | 50 | XEMO 860 Tijuana, L. C. | 5000 |
| WVAE 1200 Hammond, Ind. | 100 | XEBX 640 Sabinas, Coah. | 250 | XEMU 580 Piedras Negras, Coah. | 250 |
| WWJ 920 Detroit, Mich. | 5000 | XEBZ 810 Mexico City, D. F. | 100 | XEMX 1280 Mexico City, D. F. | 100 |
| WWL 850 New Orleans, La. | 10000 | XEC 1150 Tijuana, L. C. | 100 | XEN 780 Mexico City, D. F. | 1000 |
| WWNC 570 Asheville, N. C. | 1000 | XECZ 1370 San Luis Potosi, S.L.P. | 100 | XENC 860 Mexico City, D. F. | 50 |
| WWRL 1500 Woodside, N. Y. | 100 | XED 1160 Guadalajara, Jal. | 2500 | XENT 910 Nuevo Laredo, Tams. | 150000 |
| WWSW 1500 Pittsburgh, Pa. | 100 | XEDA 1220 Gral. Anaya, D. F. | 200 | XEOK 760 Tijuana, L. C. | 2500 |
| WWVA 1160 Wheeling, W. Va. | 5000 | XEDF 810 Nuevo Laredo, Tams. | 100 | XEP 1160 Juarez, Chih. | 500 |
| WXYZ 1240 Detroit, Mich. | 1000 | XEDH 1340 Villa Acuna, Coah. | 200 | XEPN 730 Piedras Negras, Coah. | 100000 |
| W3XDD Whippany, N. J. | 50000 | XEDP 1080 Mexico City, D. F. | 500 | XERA 840 Villa Acuna, Coah. | 250000 |
| W3XJ 1060 College Park, Md. | 100 | XEDW 1150 Minatitlan, Ver. | 20 | XERB 730 Rosarito Beach, B. Cfa. | 100000 |
| W8XO 700 Cincinnati, Ohio | 500000 | XEE 1210 Durango, Dgo. | 50 | XES 990 Tampico, Tams. | 250 |
| XEAA 750 Mexicali, B. C. | 200 | XEF 1450 Juarez, Chih. | 100 | XET 600 Monterrey, N. L. | 5000 |
| XEAC 980 Tijuana, L. C. | 1000 | XEFA 1180 Tacuba, D. F. | 500 | XETB 1310 Torreon, Coah. | 125 |
| XEAF 990 Nogales, Son. | 750 | XEFB 870 Monterrey, N. L. | 200 | XETF 1220 Veracruz, Ver. | 12 |
| XEAG 1310 Cordoba, Ver. | 10 | XEFC 550 Merida, Yuc. | 100 | XETH 1210 Puebla, Pue. | 100 |
| XEAI 1250 Mexico City, D. F. | 500 | XEFE 980 Nuevo Laredo, Tams. | 250 | XEU 1010 Veracruz, Ver. | 250 |
| XEAL 660 Mexico City, D. F. | 1000 | XEFI 1440 Chihuahua, Chih. | 250 | XEW 890 Mexico City, D. F. | 50000 |
| XEAM 750 Matamoros, Tams. | 25 | XEFM 1160 Leon, Gto. | 20 | XEX 1310 Monterrey, N. L. | 125 |
| XEAO 660 Mexicali, B. C. | 250 | XEFQ 1010 Cananea, Son. | 50 | XEXB 1270 Jalapa, Ver. | 250 |
| XEAP 1340 Obregon, Son. | 50 | XEFV 1210 Juarez, Chih. | 100 | XEXD 1340 Jalapa, Ver. | 350 |
| XEAS 1160 Saltillo, Coah. | 100 | XEFW 1310 Tampico, Tams. | 300 | XEXE 1270 Texcoco, D. F. | 17 |
| XEAT 1210 Parral, Chih. | 250 | XEG 1230 Monterrey, N. L. | 250 | XEXH 1250 San Luis Potosi, S.L.P. | 250 |
| XEAW 960 Reynosa, Tams. | 100000 | XEH 720 Monterrey, N. L. | 250 | XEXM 610 Mexico City, D. F. | 500 |
| XEB 1030 Mexico City, D. F. | 10000 | XEI 1370 Morelia, Mich. | 125 | XEXS 1310 Mexico City, D. F. | 100 |
| XEBA 1080 Guzman, Jal. | 20 | XEJ 1020 Juarez, Chih. | 1000 | XEYO 610 Mexico City, D. F. | 500 |
| XEBG 820 Tijuana, B. Cfa. | 1000 | XEJP 1130 Mexico City, D. F. | 100 | XEZ 630 Merida, Yuc. | 500 |
| XEBH 930 Hermosillo, Sonora | 500 | XEJW 870 Mexico City, D. F. | 500 | ZNS 540 Nassau, Bahamas | 400 |
| XEBI 1000 Agascalientes, Ags. | 25 | XEK 890 Mexico City, D. F. | 100 | YSS 640 San Salvador, E. S. | ..... |
| XEBK 1080 Neuvo Laredo, Tams. | 100 | XEKL 1240 Leon, Guan. | 500 | | |

The Fanning Island "Station"

In response to a report sent to station VQ1AB, which announced its location as Fanning Island, J. E. Gardner of Cleveland received a letter from Mr. F. N. Harry which is quoted here in full:

"Two letters have arrived from you addressed to VQ1AB Shortwave Radio Station Fanning Island. I am the cable operator here and am in charge of the post office. As there are only two other white men apart from the cable staff of ten, the post office is more or less for our own convenience and therefore run by us.

"Whoever is signing himself as VQ1AB has been misleading a very large number of you radio chaps. I get several requests so addressed every mail and instead of returning them marked 'Unknown' I have been opening them and replying individually.

"Several years ago there was a chap on Fanning Island with that call but you can take my word for it that there is definitely no one working an amateur radio station here now. . . .

"Your Christmas card and greetings were a kind thought. We do two years on the Island, and as we arrived on Christmas Eve, 1936, this is our second Christmas spent here, although the first was spent mostly in unpacking our goods.

"We have a regular boat every three months but have been very fortunate lately in having a Coast Guard Cutter from Honolulu calling. The last one was the 'Roger B. Taney' in October and expect she will be calling again towards the end of January, which will be our next mail."

At DEADLINE . . .

Construction Permits for new stations have been granted to Harwell V. Shepart of Denton, Texas and to the Cache Valley Broadcasting Co. of Logan, Utah. The Denton station will work on 1420 kcs. with 100 watts, daytime only. The Logan station was assigned 1500 kcs. with 100 watts, fulltime.

The call letters KPAB have been assigned to the new Laredo, Texas station on 1500 kcs. The Beaumont, Texas station on 1420 kcs. will have the call letters KRIC.

From the operators of the Swedish shortwave stations, we learn that SBO transmits on 6065 kcs. and SBP operates on 11705 kcs. Station SM5SX at Stockholm transmits on 15155 kcs. All these stations employ 500 watts power. The address to which reports should be sent is Telegrafverket Tjanstebrev Nr. 5, Stockholm.

The American Telephone and Telegraph Co., Long Lines Department, has received authorization to utilize a communication band width of 10 kilocycles for commercial radio telephony. This company is developing an improved "band splitting" type of privacy apparatus. The stations which will use this new type of secret transmission are WKA, WLA, WMA, WNA, WOA and WPM.

Some Australian changes made during the past month are: 4TO Townsville, from 1160 to 780 kcs.; 4RO Rockhampton, from 1330 to 1080 kcs.; 2AD Armidale, from 1080 to 1130 kcs.; 4BU Bundaberg, from 1480 to 1330 kcs.; 4MK Mackay, from 1080 to 1390 kcs.

Some new Mexican stations recently licensed, according to Samuel A. Meyer of Rochester, N. Y., and Harry F. Hawkins of Manchester, N. H., include a station XEOJ, 600 kcs., power and location not known; XEFQ, 1010 kcs., 50 watts, Cananea,

Son.; XEBP, 1150 kcs., 250 watts, Durango, Dgo.; XEFM, 1160 kcs., 20 watts, Leon, Gto.; XEXX, 1170 kcs., 1 kilowatt, Mexico City; XEAZ, 1230 kcs., 200 watts, Zacatecas, Zac.; XEME, 1240 kcs., 50 watts, Merida, Yuc.; XEBU, 1250 kcs., 50 watts, Chihuahua, Chih.; XEAI, 1250 kcs., 500 watts, Mexico City; XEAU, 1320 kcs., Tijuana, B. Cfa.

It has been reported that KUMA will move from Yuma to Flagstaff, Arizona.

Time on the Air Apr. '38, p. 62

Shortwaves

Broadcasters, with Time on Air Mar. '38, p. 57
 North American Police Apr. '38, p. 47
 6 megs. to 400 megs. June '37, p. 50
 Owners and Addresses June '37, p. 50
 By Locations Apr. '37, p. 61
 By Calls Apr. '37, p. 65

Foreign Broadcast

By Frequencies Dec. '36, p. 43
 By Locations Dec. '36, p. 52
 By Calls Dec. '36, p. 57
 Asia Feb. '38, p. 46
 Oceania Jan. '38, p. 47
 South America May '37, p. 50
 Europe June '37, p. 49

Long Waves

By Frequencies Apr. '36, p. 49
 By Locations Apr. '36, p. 51
 By Calls Apr. '36, p. 52

Miscellaneous

Radio Codes Explained Oct. '37, p. 3
 Choosing a Radio Sept. '37, p. 3
 Roster of DX Clubs Nov. '37, p. 58
 NBC Network Stations Feb. '38, p. 49
 Columbia Network Stations Mar. '38, p. 47
 Mutual Network Stations Feb. '37, p. 16
 Canadian Network Stations Mar. '37, p. 49

QUICK INDEX TO STATION DATA

North American Broadcast

By Frequencies Apr. '38, p. 62
 By Locations Apr. '38, p. 79
 By Calls Apr. '38, p. 85
 Frequency Checks Apr. '38, p. 37
 Names of Owners Oct. '37, p. 63
 Owners' Addresses Dec. '37, p. 63

INSURE YOUR RADIO ENJOYMENT

SEND THIS BLANK TODAY

The Radex Press
 14717 Detroit Ave.,
 Cleveland, Ohio:

Enclosed find \$..... for which send me postpaid my choice of your offers as checked below:

- One Radio World Map and Time Converter 25c
- One copy of the next RADEX 25c
- One year's subscription to RADEX, 10 issues \$1.75
- Two years \$3.25 Three years \$4.75

(If you live in Ohio, add 3% for State Sales Tax. No tax on subscriptions.)

Print Name Plainly.....

Street and Number.....

City and State.....

FOR BETTER RECEPTION

The Perfect Phone Adapter makes it easy to attach headphones to any radio set. Anyone can install it, without tools, in no time at all.

IDEAL FOR THE HARD-OF-HEARING

Those who are very hard of hearing can enjoy radio reception by using our new 110H Model Adapter. The speaker can be silenced if desired.

In ordering be sure to give make and model of receiver and a list of the tubes used.

The 110H Model Phone Adapter.....\$3.95

We pay the postage on all orders

If you live in Ohio add 3% for Sales Tax



THE RADEX PRESS
14717 Detroit Ave., Cleveland, Ohio

ACCESSORIES FOR USE WITH THE PERFECT PHONE ADAPTER

| | |
|--|--------|
| 6-Foot extension cord with connector | 50c |
| Distant Volume Control , for regulation of volume of set from a distance | \$2.00 |
| Trimm Featherweight Headphones . Precision built, combining ultra-sensitivity with rugged construction. Weigh 4 $\frac{1}{4}$ ounces complete. 24,000 ohms..... | \$8.50 |
| Trimm Professional Headphones , the choice of countless users. Professional type. 4000 ohms | \$4.00 |
| Trimm Dependable Headphones , long a favorite with amateur operators. The best in the world for the money. 2000 ohms | \$3.25 |

Prices on single-unit or special 'phones on request.

We pay the postage on all orders

If you live in Ohio add 3% for Sales Tax

THE RADEX PRESS
14717 Detroit Ave., Cleveland, Ohio



J. E. SMITH, President
National Radio Institute
Established 1914

I WILL TRAIN YOU TO START A SPARE TIME OR FULL TIME RADIO SERVICE BUSINESS WITHOUT CAPITAL

*Here's
Proof*



**Earned \$50
First Month
in Spare Time**

"I knew nothing about Radio. After four lessons I began servicing Radios, earning \$50 the first month. Last winter I made as high as \$100 a month in spare time." G. F. WALTON, 808 West Olney Road, Norfolk, Va.

**Own Business
Pays \$300 a
Month**



"I now have my own Radio business which shows three hundred dollars a month profit thanks to National Radio." FRANK T. REESE, 39 N. Felton St., Philadelphia, Penna.



**Get My LESSON on Radio
Servicing Tips FREE**

I'll prove that my Training is just what you need to master Radio. My sample lesson text, "Radio Receiver Troubles - Their Cause and Remedy" covers a long list of Radio receiver troubles in A.C., D.C. battery, universal, auto, T.R.F., super-heterodyne, all-wave, and other types of sets, cross-indexed for quick reference. Special section on receiver check-up, alignment, balancing, neutralizing, testing. Get this lesson Free. Mail the Coupon.

Do you want to make more money? The world wide use of Radio has made many opportunities for you to have a spare time or full time Radio service business of your own. Three out of every four homes in the United States have Radio sets which regularly require repairs, servicing, new tubes, etc. I will train you at home in your spare time to sell, install, service, all types of Radio sets - to start your own Radio business and build it up on money you make in your spare time while learning. Mail coupon for my 64-page book. It's Free - it shows what I have done for others - what I am ready to do for you.

**Many Make \$5, \$10, \$15 a Week Extra
in Spare Time While Learning**

Almost every neighborhood needs a good spare time serviceman. The day you enroll I start sending you Extra Money Job Sheets. They show you how to do Radio repair jobs that you can cash in on quickly. Throughout your training I send you plans and Ideas that have made good spare time money - from \$200 to \$500 a year - for hundreds of fellows. I send you special equipment which gives you practical Radio experience - shows you how to conduct experiments and build circuits which illustrate important Radio principles.

**Get Ready Now for Your Own
Radio Business and for Jobs Like These**

Radio broadcasting stations employ engineers, operators, station managers and pay up to \$5,000 a year. Spare time

Radio set servicing pays as much as \$200 to \$500 a year - full time servicing jobs pay as much as \$30, \$50, \$75 a week. Many Radio Experts own their own full time or part time Radio businesses. Radio manufacturers and jobbers employ testers, inspectors, foremen, engineers, service men, paying up to \$6,000 a year. Radio operators on ships get good pay, see the world besides. Automobile, police, aviation, commercial Radio, loud speaker systems offer good opportunities. Television promises many good jobs soon. Men I have trained at home hold good jobs in these branches of Radio.

Find Out What Radio Offers You

Mail the coupon now for my Free Lesson and my book, "Rich Rewards in Radio." Both are free to anyone over 16 years old. My book points out Radio's spare time and full time opportunities and those coming in Television; tells about my Training in Radio and Television; shows you letters from men I have trained, telling what they are doing and earning; tells about my money back agreement. MAIL THE COUPON in an envelope, or paste it on a penny post - NOW!

**J. E. SMITH,
President
National Radio
Institute,
Dept 8DD
Washington,
D.C.**



**GOOD FOR BOTH 64 PAGE BOOK FREE
SAMPLE LESSON FREE**

**J. E. SMITH, President, Dept. 8DD
National Radio Institute, Washington, D. C.**

Dear Mr. Smith: Without obligating me, send your sample lesson and the book which tells about spare time and full time Radio opportunities, and how I can train for them at home in spare time.
(Please write plainly.)

Name ARE
Address
City State

14X-1